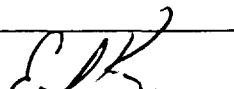


INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	079
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	03 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Rainy, Temp. 50°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: No work today. 2) Downgradient Alluvial Aquifer Sampling: This task is complete. 3) Sediment Sampling: Performing sediment depth measurements at cross sections for Creek Segment F by driving a 2 inch diameter clear tube 3 to 4 feet deep into the ground then marking the color changes for the different layers. It looks like about 12 to 15 inches of sediment in these areas. No samples are being collected at this time they are only recording the sediment depths.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) The collection of sediment samples has not started yet although OBG is preparing for this activity and getting everything ready to begin.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) None		
Information, instructions or actions taken not covered on QCR report or disagreement: 1) None		

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-03-00		

Jan 3

Sediment Depth Measurements at CS

the tubes are easily pushed to 12
15" but according to the procedure
of the color change method to determine
sediments the change is at about
6"

No other work

DAILY WORK LOG

DATE 03 JAN/2000

PROJECT NAME Solutia - Saugeet Area/

PROJECT LOCATION Creek seg. F

WEATHER Cloudy

PRECIPITATION 9.M. Rain

TEMPERATURE ~50°F

NUMBER OF HOURS WORKED 36

NUMBER OF EMPLOYEES 4

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS

① Performed sed. depth measurements in creek sector F (FSP# 5.20)

② None

③ None

④ None

⑤ See visitors log

⑥ Support vehicles, H&S equip., sed. depth equip.

⑦ None

⑧ None

⑨ Note that sediment depth measurements are not being performed by the surveyor as stated in the FSP; rather, they are being performed by ORG.
Creek cross-sections will be performed after sediment depth measurements are performed, rather than prior to, as stated in the FSP

CC : K. Perry
E. Kemper

03 JAN/2000
@ 1700

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DEHamerdink / 03 JAN 2000
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM
(sediment sampling)

DATE 03 JAN 00

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sauget Area PROJECT LOCATION Creek segments F + E

WEATHER Cloudy PRECIPITATION a.m. rain TEMPERATURE ~40°F

NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES

1. SCHEDULED WORK
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

- ① Sediment sampling - sed. depth measurements and/or staking in CSF and/or E
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; noise from driving tubes
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) ~~and~~, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep, hearing protection, or noise dampening
- ⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, staking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Eric Keppner

DEH

DEL

Rich Jenkins

Rich Jenkins

CSC

Craig Weller Nizami

Craig Weller Nizami

OBS

Kimberly Penn

Kimberly Penn

Solutia

William E. Wright

William E. Wright

OBS

SUBMITTED TO WESTON 03 JAN 00 @ 0955

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

03 JAN 00

DATE

WORK FORECAST

Work Forecast for the day/week: 04-01-2000

Date: 03-01-2000

Project Name: SOLITA, SAUGET, AREA 1 Project Location: SAUGET, IL

Company Name: O'BRIEN & GERE

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue depth measurements in creek segment F.
- Perform slug test / Perimeter installation west of site G, contingent upon surface conditions due to heavy rain and cold temperatures during night.

CC:

K. PERRY

3-1-2000

at 1700

E. KEMPER

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

COLIN WELLENKAMP

Name/Signature/Date of Preparer

Colin Wellenkamp

3-1-2000

Solutia Inc.
Sauget Area 1
(Please Print)

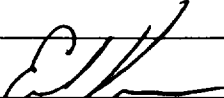
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	080
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	04 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy/Flurries, Temp. 25°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: No work today. 2) Sediment Sampling: Performing sediment depth measurements at cross sections for Creek Segment F by driving a 2 inch diameter clear tube 3 to 4 feet deep into the ground then marking the color changes for the different layers. It looks like about 12 to 15 inches of sediment in these areas. No samples are being collected at this time they are only recording the sediment depths.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) The collection of sediment samples has not started yet although OBG is preparing for this activity and getting everything ready to begin.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) None		
Information, instructions or actions taken not covered on QCR report or disagreement: 1) None		

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-04-00		

Jan 4

Sediment Depth Measurements at CS-F

No other work

DAILY WORK LOG

DATE 04 JAN 00

PROJECT NAME DE Havilland / O'Brien PROJECT LOCATION CS-F

WEATHER Windy + cloudy PRECIPITATION sleet / flurries TEMPERATURE ~25°F

NUMBER OF HOURS WORKED 30 NUMBER OF EMPLOYEES 4

1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)

2 INSTRUCTIONS RECEIVED FROM SOLUTIA

3 INSTRUCTIONS RECEIVED FROM USEPA

4 DEVIATIONS

5 VISITORS (NAMES & TITLES)

6 EQUIPMENT

7 LUNCH MEETING COMMENTS

8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9 REMARKS:

① Performed sed. depth measurements in CS-F; stations 51-525 completed to date in CS-F

② None

③ None

④ None

⑤ See visitors log

⑥ Support vehicles, sed. depth measurement equip., H&S equip.

⑦ None

⑧ None

⑨ None

cc: K. Perry 04 JAN 00
E. Komper @ 1530

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havilland / O'Brien 04 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day/week: 1-5-2000

Date: 1-4-2000

Project Name: SOLARIA, INC SAUGET
AREA 1

Project Location: SAUGET, IL

Company Name: O'BRIEN & GORE

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue sediment depth measuring in creek segment E
- Possible staking in creek segment E
- Possible slug-test pigometer installation, depending on site conditions

CC: R. PERRY
E. REMICK

1530 1-4-2000

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Colin Weckenkamp

Name/Signature/Date of Preparer

COLIN WECKENKAMP/1-4-2000

SAFETY MEETING FORM (sediment sampling)

DATE 04 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien & Gere

PROJECT NAME Solutio - Saugat Area PROJECT LOCATION Creek segment F

WEATHER cloudy & windy PRECIPITATION none TEMPERATURE ~30°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK:
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
- 5 COMMENTS

- ① Sediment sampling - sed. depth measurements
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; noise; cold weather effects
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) ~~water~~, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep, noise dampening or ear-plugs, use work-warming routine.
- ⑤ Segregate waste, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Kimberly Perry	<i>[Signature]</i>	Solutio
Ken LAFERRY	<i>[Signature]</i>	MAVERICK
Erwin W. Haverdink	<i>[Signature]</i>	OBG
Dave Haverdink	<i>[Signature]</i>	OBG
William E. Wright	<i>[Signature]</i>	OBG
Nick Jenkins	<i>[Signature]</i>	OBG

CC: K. Perry 04 JAN 00
E. Kemper @ 1530

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

04 JAN 00

DATE

Solutia Inc.
Sauget Area 1
(Please Print)


[illegible]

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	081
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	05 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Clear, Temp. 35°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: No work today due to illness of geologist. Location of Site "G" Slug Test is approximately 400 feet west of the western boundary fence of Site G. 2) Sediment Sampling: Performing sediment depth measurements at cross sections for Creek Segment F by driving a 2 inch diameter clear tube 3 to 4 feet deep into the ground then marking the color changes for the different layers. It looks like about 12 to 15 inches of sediment in these areas. No samples are being collected at this time they are only recording the sediment depths.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) The collection of sediment samples has not started yet although OBG is preparing for this activity and getting everything ready to begin.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) None		
Information, instructions or actions taken not covered on QCR report or disagreement: 1) None		

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-05-00		

Jan 5

Sediment depth measurements

DAILY WORK LOG

DATE 05 JAN 00

PROJECT NAME Solutia - Sump Area 1 PROJECT LOCATION CS-F, W. of G

WEATHER clear PRECIPITATION none TEMPERATURE ~35°F

NUMBER OF HOURS WORKED 30 NUMBER OF EMPLOYEES 3

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA. FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS:

① • Set up drill rig to perform boring for slug test piez. inst. and logging
W. of G (drilling not performed due to illness of geologist)
• Performed red. depth measurements from 526 to 535 in CS-F

② K. Perry approved location of slug test piezometers as drill rig was set up
W. of G

③ None

④ None

⑤ See visitors log

⑥ 1 drill rig, support vehicles, H&S equip., red. depth equip.

⑦ None

⑧ None

⑨ None

CC: K. Perry 15 JAN 00
E. Kemper @ 1820

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haerdt DE Haerdt 05 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM
(Piezometer installation for slug tests)

CONDUCTED BY / COMPANY: DE Havensdink / O'Brien + Gere DATE 05 JAN 00
PROJECT NAME Solutia - Sauget Areal PROJECT LOCATION W. of G
WEATHER clear PRECIPITATION none TEMPERATURE ~20°F
NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- (1) Piezometer installation for slug testing.
- (2) FSP # 5.14 HASP # 2.6 (generally applicable)
- (3) Drill rig hazards of overhead falling objects, moving parts, pressurized lines, noise, CO roll-over; potential contact with impacted soil & water, impacted vapors from the boring, slips / trips / falls, muscle strain, cold weather effects.
- (4) PPE is modified level D w/ air monitoring in breathing zone using PID, RAM, 4-gas; respirator on hand if upgrade to level C is necessary; drillers to inspect rig on daily basis and repair as needed; warming breaks as appropriate
- (5) Drive w/ caution around the field office; segregate wastes; smoking in vehicles only

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
<u>Chad M. Dutton</u>	<u>[Signature]</u>	<u>HARRISS</u>
<u>Tim Crank</u>	<u>[Signature]</u>	<u>HARRISS</u>
<u>Elbert Jennings</u>	<u>[Signature]</u>	<u>Geokja P.D.</u>
<u>Kimberly Perry</u>	<u>[Signature]</u>	<u>Solutia</u>
<u>Ken LAFFERTY</u>	<u>[Signature]</u>	<u>HAUERCK</u>

cc: K. Perry 05 JAN 00
E. Kemper 01820

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havensdink / DE Havensdink
PRINTED NAME / SIGNATURE OF PREPARER

05 JAN 00
DATE

SAFETY MEETING FORM
(sediment sampling)

DATE 05 JAN 00

CONDUCTED BY: COMPANY DE Havardink / O'Brien + Gere

PROJECT NAME Solutia - Saugat Area PROJECT LOCATION CS-F, possibly CS-E

WEATHER Clear PRECIPITATION none TEMPERATURE -20°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
- 5 COMMENTS

- ① Sediment sampling - sed. depth measurements and/or staking
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; noise; cold weather effects
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) ~~and~~, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep, noise dampening, warming breaks as appropriate, use caution on ice in creek
- ⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Nick Jankeles	Nick Jankeles	O'Brien + Gere
Colin Wollenkamp	Colin Wollenkamp	OHG
Elliot A. Jennings	Elliot A. Jennings	Chokio P.D.
Gumbert J. Perry	Gumbert J. Perry	Solutia
Ken LAFFERTY	Ken LAFFERTY	MAVERICK

cc: K. Perry 05 JAN 00
E. Kemper @ 1820

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havardink / DE Havardink
PRINTED NAME / SIGNATURE OF PREPARER

05 JAN 00
DATE

WORK FORECAST

Work Forecast for the day week: 05 JAN 00

Date: 05 JAN 00

Project Name: Solutia - Sanger Area 1

Project Location: CS-F, CS-E

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Begin logging deep boring (to 80 fgs) for slug test piez. installation w. of S.R.G.

- Continue sed. depth measurement in CS-F.

- Begin surveying of creek cross-sections in CS-F and other sampling points previously sampled

- Begin staking sampling locations in CS-E

cc: K Perry 05 JAN 00
E. Kemper @ 1820

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversdink / DE Haversdink / 05 JAN 00
Name/Signature/Date of Preparer

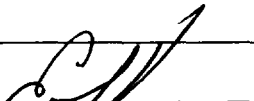
Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	082
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	06 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Clear, Temp. 35°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: Started boring for deep well west of Site "G" 2) Sediment Sampling: Finished measuring depths of sediment for CS-F, continue to stake locations for CS-E.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) The collection of sediment samples has not started yet although OBG is preparing for this activity and getting everything ready to begin.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) None		
Information, instructions or actions taken not covered on QCR report or disagreement: 1) None		
SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)		

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-06-00		

Tanb

Continue with slug test wells, started deep boring for site G. Placement is about 400 feet west of site G fence

Finished recording depths is CS-F and move on to CS-E

DAILY WORK LOG

DATE 06 JAN 00

PROJECT NAME Solutia-Sauget Area 1 PROJECT LOCATION CS-F+E, W of G

WEATHER Clear PRECIPITATION NONE TEMPERATURE ~40°F

NUMBER OF HOURS WORKED 39 NUMBER OF EMPLOYEES 5

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS

- (1) • Completed sed. depth measurements in CS-F ; started sed. samp. locations in part of CS-E
• Logged split spoon samples from the "deep" boring for slug test piez. installation W. of Site G to 60 fbg
• Surveyor performed creek cross-section surveys at 8 pts. in CS-F
- (2) None
- (3) None
- (4) None
- (5) See visitors log
- (6) 1 drill rig, support vehicles, H+S equip., monitoring equip., sed depth + measurement equip.
- (7) None
- (8) None
- (9) None

CC: K. Perry 06 JAN 00
E. Kemper @ 1745

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haerding / DE Haerding / 06 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM (sediment sampling)

DATE 06 JAN 00

CONDUCTED BY: COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Saugat Area PROJECT LOCATION CS-F, CS-E

WEATHER clear PRECIPITATION none TEMPERATURE ~35°F

NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES

1. SCHEDULED WORK
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

- ① Sediment sampling - sed. depth measurements + staking
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; noise; cold weather effects
- ④ PPE is level D with rubber boots or waders (depending on creek conditions); waders, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep, noise dampening / warming breaks as appropriate
- ⑤ Segregate wastes, gross equip. down before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
<u>Don Lafferty</u>	<u>[Signature]</u>	<u>MAVERICK</u>
<u>Robert J. Perry</u>	<u>[Signature]</u>	<u>Solutia</u>
<u>Colin Wellenkamp</u>	<u>[Signature]</u>	<u>OBG</u>
<u>Liam Leckie</u>	<u>[Signature]</u>	<u>OBG</u>
<u>Nick Jenkins</u>	<u>[Signature]</u>	<u>OBG</u>
<u>Nate Cohen</u>	<u>[Signature]</u>	<u>ZET</u>
<u>Demetrius Hampton</u>	<u>[Signature]</u>	<u>ZET</u>

cc: K. Perry OG SANDO
E. Kemper @ 1745

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

06 JAN 00
DATE

SAFETY MEETING FORM

(Pneumometer installation for slug testing)

DATE 06 JAN 00

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sargent Area

PROJECT LOCATION W. of Site G

WEATHER Clear

PRECIPITATION none

TEMPERATURE -35°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

① Pneumometer installation for slug testing.

② FSP # 5.14 HASP # 2.6 (generally applicable)

③ Drill rig hazards of over-head falling objects, moving parts, pressurized lines, noise, CO roll-over; potential contact with impacted soil + water, impacted rocks from the boring, slips / trips / falls, muscle strain

④ PPE is modified level D w/ air monitoring in breathing zone using PID, RAM, 4-gas; respirator on hand if upgrade to level C is necessary; drill rig to inspect rig on daily basis and repair as needed

⑤ Drive w/ caution around the field office; segregate wastes; smoking in vehicles only; warming breaks as appropriate

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Kenneth Perry
William E. Wright
David Heine
Karen Perry
Mad M. Sutton
Jim Rederi
Tia Crank
Nick Jenkins

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

MAVERICK
OBG
Chokla PD
Solutia
Harris
OBG
Harris
OBG

cc: K. Perry
E. Kemper

06 JAN 00
@ 1745

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

06 JAN 00

DATE

WORK FORECAST

Work Forecast for the day/week: 1-7-2000

Date: 1-6-2000

Project Name: SOLUT.A, INC. SAUGET, IL Project Location: SAUGET, IL

Company Name: O'BRIEN & GERE

1. List Work Items and Locations Scheduled for Next Day/Week:

- Complete descriptive logues of site ST-G-D and install Pyrometer ST-G-S
- Lay out internal stakes for E₁, D₂, D, C in dead creek.

CC: K. PERRY 1745, 1-6-2000
E. KIMMER

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

COLIN WELLENKAMP

Name/Signature/Date of Preparer

Colin Wellenkamp 1-6-2000

WORK FORECAST

Work Forecast for the day/week: 1-10-2000/1-15-2000 Date: 1-8-2000

Project Name: SOUTHA, INC. SAUGET, IL Project Location: SAUGET, IL

Company Name: O'BRIEN & GERE

1. List Work Items and Locations Scheduled for Next Day/Week:

- install piezometers ST-G-M & ST-A-19 ST-G-P
- Begin slug-test piezometer installation southeast of bite IL.
- Begin creek-sediment sampling in CS-F
- Continue survey of creek cross-section in CS-F.

* NOTE: No field-work is planned 1-14-2000

CC: K. PERRY 1745, 1-6-2000
E. KIMPER

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Colin Weller/KAMP

Name/Signature/Date of Preparer

Colin Weller/KAMP 1-6-2000

Solutia Inc.
Sauget Area 1
(Please Print)

Slug test piez. inst.
W. of G.

[illegible]

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

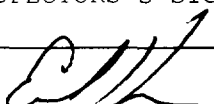
INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	083
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	07 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Clear, Temp. 40°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: Completed deep boring for well west of Site "G" 2) Sediment Sampling: Completed locating and staking sediment sample points for Creek Segments E, D, C, and B.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) The collection of sediment samples has not started yet although OBG is preparing for this activity and getting everything ready to begin.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) None		
Information, instructions or actions taken not covered on QCR report or disagreement: 1) None		

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Mike McAteer, Tim Gouger, Erik Kemper, Bruce Yare and Mike Light attended a site progress meeting in the trailer at Site R. See the Trip Report attached to this QAR for details.

INSPECTORS'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-07-00		

SAUGET TRIP REPORT

January 4 - 7, 2000

January 12, 2000

MEETING DATE: January 7, 2000, 10:00 am

PARTICIPANTS: Mike McAteer, Tim Gouger, Mike Light, Bruce Yare, Erik Kemper

LOCATION: Site 1 Trailer

The issues discussed December 15, 1999 were revisited. For continuity purposes, I have provided the December issues and January response in bold.

ISSUES

- Wiese Property Characterization.** Solutia plans to characterize waste from Site G westward through the use either an auger or push technology. McAteer and Gouger shared their concerns for usage of push technology: namely, the 1" spoon used to collect the sample may well preclude recovery of waste and therefore not adequately characterize the site. We recommended they use an auger approach, with a 4" minimum diameter.

Solutia will use auger approach with minimum 4" diameter.

2. **Slug Test.** Gouger, Kemper, and McAteer toured the site and observed proposed locations for the slug tests, which were outside site boundaries for every site. We asked Mike Light: "How does Solutia plan to use the data?" We expressed concern that the locations will provide gross hydrogeologic estimates for consolidated media (native soil) though the source areas are filled with unconsolidated waste debris. How will Solutia address the source areas with the information?

Solutia has drilled two leachate collection test wells in the middle of Site G and I. They propose to use these wells to evaluate the hydrogeologic characteristics of the upper water bearing formation. We concurred.

3. **Analysis:** The Field Sampling Plan states the alluvial aquifer samples will be developed for 2 hours or until 5 NTU are reached. As some samples read greater than 5 NTU (some are several thousand NTU after 2 hrs), considerable solids are now part of the sample. How does Solutia plan to analyze the samples? Will the solids be part of the sample, will the sample be decanted before analysis, will the sample be filtered before analysis, or will Solutia run both total and dissolved analysis for some samples?

(After discussion with Jim Beran, Thursday December 16, 1999, he recommends identifying the higher turbidity samples, determining ranges for the samples, and performing some analyses for total and dissolved parameters within those ranges).

Bruce Yare to check lab for procedure. He anticipates they will shake the bottle and then run total lead, which is agreeable to us.

4. **Sediment Sampling.** McAteer asked why the creek sediment sampling has not taken place yet, though the plan was to have begun by now. Gouger pointed out the creek had been dry since commencing with the work in September, 99, now water is impounded in much of the creek sections. Getting the analyses back from the creek is critical to evaluating the transects and overall characterization. McAteer stated the public has been questioning why the environmental documentation will take so long. McAteer would like to not only see sediment sampling begin but also see schedule acceleration for documentation and subsequent work.

Solutia is in the final stages of profiling and marking sample locations. Solutia plans to start sediment sampling beginning week of 17 January 2000.

5. **Transects.** McAteer asked when we will see the plan for sampling developed properties along the transects? Light responded getting the information sooner may yield public relation problems (i.e. some properties may have dioxins greater than 1 ppb and therefore require removal). Light would like for the TSCA cell to be underway before releasing the information so they can do something about removals in an expeditious manner. McAteer will provide HQ US EPA Dioxin guidance to Light for more information about detection levels for dioxins.

Solutia anticipates submitting the plan for Developed Property Sampling in January 2000. Agreeable to parties.

Right of Access. Roger's Cartage has denied RoA for groundwater sampling and soil gas survey. Solutia has relocated the background groundwater sample to the nearby park and Roger's Cartage has allowed the SGS to commence.

Solutia has worked out continuing the SGS onto Roger's Cartage property, but will relocate the background groundwater sample to the park well, EE-20

1. Solutia agreed to perform GPR at Site I in an effort to better evaluate the waste characterization results.
2. The US EPA still wants to get onto Site I property to perform waste trenches and will not necessarily wait until the results from the groundwater samples are available before attempting this work.
3. The US EPA is building a spreadsheet with results from the split samples, after they are validated. Once validation is complete, we would like Solutia to fill out the spread sheet with results from their split samples. The US EPA prefers this information in advance of the Data Collection Report.

Jan 7

ORC has located and stated
all sediment sample locations

Meeting with:

Mike McAleer
Tim Ganger

Mike Light
Bruce Yare

To discuss some of the issues

- 1.) Wiese Property - Site C investigation
- 2.) Slug Tests - Locations are not in fill ones
- 3.) Water Samples - Higher than 5 NTUs
- 4.) Sediment Sampling - When will it begin
- 5.) GPR - Site I
- 6.) Trenching - Site I

DAILY WORK LOG

DATE 07 JAN 00

PROJECT NAME Solutra - Saugat Area 1 PROJECT LOCATION W. of G; CS-E, D, C, B
 WEATHER Clear PRECIPITATION None TEMPERATURE ~40°F
 NUMBER OF HOURS WORKED 40.5 NUMBER OF EMPLOYEES 5

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS:
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS:

① Completed sed. samp. staking in CS-E, D, C, & B; prepared sample containers and supplies for sed. sampling in CS-F
 Completed boring W. of G for descriptive logging for slug test piez. inst.
 Installed slug test piez. ST-G-5

② None

③ None

④ None

⑤ See attached visitors log

⑥ Drill rig, support vehicles, sed. staking equip., H₂S equip., monitoring equip.

⑦ None

⑧ None

⑨ None

CC : K. Perry 07 JAN 00
 E. Kemper @ 1830

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink 07 JAN 00
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Piezometer installation for slug tests)

DATE 07 JAN 00CONDUCTED BY COMPANY DE Haverdink / OBGPROJECT NAME Solutia - Saugat Area 1PROJECT LOCATION W. of GWEATHER ClearPRECIPITATION noneTEMPERATURE ~32°FNUMBER OF HOURS WORKED —NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
- 5 COMMENTS

- (1) Piezometer installation for slug testing.
- (2) FSP # 5.14 HASP # 2.6 (generally applicable)
- (3) Drilling hazards of over-head falling objects, moving parts, pressurized lines, noise, CO roll-over; potential contact with impacted soil + water, impacted impacts from the boring, slips / trips / falls, muscle strain
- (4) PPE is modified level D w/ air monitoring in breathing zone using PID, RAM, 4-gas; Respirator on hand if upgrade to level C is necessary; drill to inspect rig on daily basis and repair as needed
- (5) Drive w/ caution around the field office; segregate wastes; smoking in vehicles only

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Kimberly Perry
 William E. Wright
 Tim Gault
 Chad M. Dutton
 Colin WELLENKAMP
 John Bowers
 Ken LAFFERTY

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

Solutia
 O'Brien & Gere
 Harris
 Harbison
 OBG
 Catalina PIS
 MAVERICK

cc: K. Perry 07 JAN 00
 E. Kemper @ 1830

IF ADDITIONAL SPACE IS REQUIRED
 RECORD ON REVERSE SIDE

[Signature]
 DE Haverdink / DE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

07 JAN 00

DATE

SAFETY MEETING FORM
(sediment sampling)

DATE 07 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / OBG

PROJECT NAME Solutia - Sauget Area PROJECT LOCATION Dead Creek

WEATHER Clear PRECIPITATION none TEMPERATURE ~32°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

- ① Sediment sampling - staking in part of E; D, C
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain
- ④ PPE is level D with rubber boots or waders (depending on creek conditions), masks, gloves or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep
- ⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Adrian Kaiser	<i>[Signature]</i>	OBG
Kimberly Perry	<i>[Signature]</i>	Solutia
Colin Wellenkamp	<i>[Signature]</i>	OBG
Ken Lafferty	<i>[Signature]</i>	MAUBERTIC

cc: K. Perry 07 JAN 00
E. Kemper @ 1830

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

07 JAN 00
DATE

WORK FORECAST

Work Forecast for the day/week: 10 JAN 00

Date: 07 JAN 00

Project Name: Solutia - Sagoet Area 1

Project Location: W. of G; CS-F

Company Name: OBG

1. List Work Items and Locations Scheduled for Next Day/Week:

- Install ST-G-D slug test piez. W. of G
- Begin collecting sed. samples in CS-F

CC: K. Perry 07 JAN 00
E. Kemper @ 1830

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink DE Haverdink 07 JAN 00
Name/Signature/Date of Preparer

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

CLARIFICATION LOG

INDIVIDUAL REQUESTING CLARIFICATION / COMPANY:

Elizabeth Beauchamp/

DATE Jan 7, 00

STL Savannah Laboratories

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME

Sauget Area 1

PROJECT LOCATION

Sauget, Illinois

WEATHER

PRECIPITATION

TEMPERATURE

NUMBER OF HOURS WORKED

NUMBER OF EMPLOYEES

1. CONTRACT ITEM BEING WORKED ON: EE/CA and RI/FS Support Sampling Plan and Sauget Area 1 Support Sampling plan Volume 1B and Volume 3, Support Sampling Plan Volume 2B.

2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP):

- EE/CA and RI/FS Support Sampling Plan Volume 1B, Human Health Risk Assessment Work Plan Appendix A, Tables 1,2 and 3.
- Sauget Area 1 Support Sampling Plan Volume 2B, Tables 5G and 5H.
- EE/CA RI/FS Support Sampling Plan Volume 3, Ecological Sampling FSP, QAPP and HASP, Table 1-7A.

3. REASON FOR CLARIFICATION: Non routine compound by 8151A. (Herbicide) *4 Nitrophenol

4. CLARIFICATION TO BE IMPLEMENTED: Analyze by 8270C to insure all Data Quality objectives can be satisfied.

5. EQUIPMENT:

↳ semi Volatiles

6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME: MANPOWER ETC.):

7. REMARKS: None

Elizabeth F. Beauchamp

PRINTED NAME / SIGNATURE OF PREPARER

Kimberly Perry / Kimberly Perry 1/22/00

PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

January 7, 2000

DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,

Given to Weston, OBA 2/22/00

CLARIFICATION LOG

INDIVIDUAL REQUESTING CLARIFICATION / COMPANY: STL-Savannah LaboratoriesDATE Feb 15, 00HEALTH & SAFETY APPROVAL REQUIRED: YES: NO: XPROJECT NAME Sauget Area 1 PROJECT LOCATION Sauget, ILWEATHER PRECIPITATION TEMPERATURE NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES

1. CONTRACT ITEM BEING WORKED ON: EE/CA and RI/FS Support Sampling Plan
2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP): EE/CA and RI/FS Support Sampling Plan
3. REASON FOR CLARIFICATION: Not all documents contain the appropriate appended alpha character to the EPA method referenced.
4. CLARIFICATION TO BE IMPLEMENTED: See remarks
5. EQUIPMENT:
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME: MANPOWER ETC.): None
7. REMARKS: All analytical methods will be performed in accordance with EPA SW-846 Update III protocols.

Elizabeth Beauchamp
PRINTED NAME / SIGNATURE OF PREPARERKristen Perry / 2/24/00
PRINTED NAME / SIGNATURE OF SOLITA REP / DATEDATE 2/15/00

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,

Given to Weston, OBG 2/22/00

CLARIFICATION LOG

INDIVIDUAL REQUESTING CLARIFICATION / COMPANY:

Elizabeth Beauchamp/

DATE Jan 7, 00

STL Savannah Laboratories

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME

Sauget Area 1

PROJECT LOCATION

Sauget, Illinois

WEATHER _____

PRECIPITATION _____

TEMPERATURE _____

NUMBER OF HOURS WORKED _____

NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON: Sauget Area 1 Support Sampling Plan Volume 2A and 2 B.

2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP):

- Sauget Area 1 Support Sampling Plan Volume 2B, Quality Assurance Project Plan, Table 3.
- Sauget Area 1 Support Sampling Plan Volume 2A, Field Sampling Plan, Table 24.

3. REASON FOR CLARIFICATION: Typographical error

4. CLARIFICATION TO BE IMPLEMENTED: Holding time

5. EQUIPMENT:

6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME: MANPOWER ETC.):

7. REMARKS: Table 71 of the Sauget Area 1 Support Sampling Plan Volume 2B; Table 24 of the EE/CA and RI/FS Support Sampling Plan has incorrect method holding times listed. The following method holding times apply: TO17 = 30 days; TO4 and TO13 = 7 days to extraction/10 days to analysis; metals 6010B - 180 days.

Elizabeth F. Beauchamp

PRINTED NAME / SIGNATURE OF PREPARER

January 7, 2000

DATE

IF ADDITIONAL SPACE IS REQUIRED,

Kimberly Perry / Kimberly Perry / 2/24/00

PRINTED NAME / SIGNATURE OF SOLUTION REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

Given to worker, OBA 2/24/00

CLARIFICATION LOG

INDIVIDUAL REQUESTING CLARIFICATION / COMPANY:

Elizabeth BeauchampDATE Jan 7, 00STL Savannah LaboratoriesHEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME

Sauget Area 1

PROJECT LOCATION

Sauget, Illinois

WEATHER _____

PRECIPITATION _____

TEMPERATURE _____

NUMBER OF HOURS WORKED _____

NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON: Support Sampling Plan2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP): Table 5G3. REASON FOR CLARIFICATION: Typographical error4. CLARIFICATION TO BE IMPLEMENTED: Detection Limit clarification

5. EQUIPMENT:

6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME; MANPOWER ETC.):

7. REMARKS: Toxaphene listed Reporting Limit = 0.0005 mg/L; correction = 0.005 mg/L
Elizabeth F. Beauchamp

PRINTED NAME / SIGNATURE OF PREPARER

January 7, 2000

DATE

IF ADDITIONAL SPACE IS REQUIRED,


Kimberly A. Perry / Kimberly A. Perry / 2/24/00

PRINTED NAME / SIGNATURE OF SOEOTIA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

Glenn H. Weston, OBG 2/24/00

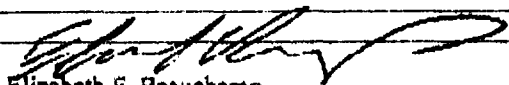
CLARIFICATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: Elizabeth Beauchamp/
STL Savannah LaboratoriesDATE Jan 7, 00HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: XPROJECT NAME Sauget Area 1 PROJECT LOCATION Sauget, Illinois

WEATHER _____ PRECIPITATION _____ TEMPERATURE _____

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON: EE/CA and RI/FS Support Sampling Plan Volume 2 - Appendix A
2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP): Section 5.3.1 and Table 1.0
3. REASON FOR CLARIFICATION: PCB and cyanide parameters inadvertently indented under TCLP methodology.
4. CLARIFICATION OR FIELD CHANGE TO BE IMPLEMENTED: TCLP will not be performed on cyanide and PCB parameters.
5. EQUIPMENT: _____
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME; MANPOWER ETC.): _____
7. REMARKS: None


Elizabeth F. Beauchamp

PRINTED NAME / SIGNATURE OF PREPARER

January 7, 2000

DATE

IF ADDITIONAL SPACE IS REQUIRED,


Kimberly Perry /  / 2/21/00

PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

Given to Weston, OBG 2/21/00

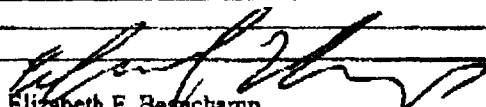
DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: Elizabeth Beauchamp/
STL Savannah LaboratoriesDATE Jan 7, 00HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: XPROJECT NAME Sauget Area 1 PROJECT LOCATION Sauget, Illinois

WEATHER _____ PRECIPITATION _____ TEMPERATURE _____

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON: Support Sampling Plan
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP): Table 5A, Table 3, Table 7F
3. REASON FOR DEVIATION: Insure data quality objectives (Detection Limits) can be routinely achieved.
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED: Amend method reference.
5. EQUIPMENT: _____
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME: MANPOWER ETC.): _____
7. REMARKS: Method reference for orthophosphate should be amended to EPA Method Reference 365.2 in lieu of 300.0.


Elizabeth F. Beauchamp

PRINTED NAME / SIGNATURE OF PREPARER

January 7, 2000

DATE

IF ADDITIONAL SPACE IS REQUIRED,


Kimberly Perry / Kimberly Perry

PRINTED NAME / SIGNATURE OF SOLICITA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

Given to Weston, OBG 2/21/00

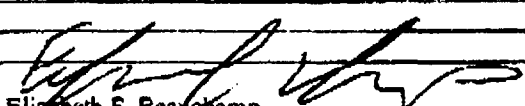
DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: Elizabeth Beauchamp/
STL Savannah LaboratoriesDATE Jan 7, 00HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: XPROJECT NAME Sauget Area 1 PROJECT LOCATION Sauget, Illinois

WEATHER _____ PRECIPITATION _____ TEMPERATURE _____

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON: Sauget Area 1 Support Sampling Plan Volume 2B
2. ITEM BEING DEVIATED (REF. APPROP. SEC OF FSP/HASP): Table 6H (Dinoseb recovery limits)
3. REASON FOR DEVIATION: Current laboratory QAP revision based on updated recovery data.
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED: Alter recovery acceptance limits for soil to 10-130%.
5. EQUIPMENT: _____
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME; MANPOWER ETC.): _____
7. REMARKS: None


Elizabeth F. Beauchamp

PRINTED NAME / SIGNATURE OF PREPARER

January 7, 2000

DATE

IF ADDITIONAL SPACE IS REQUIRED.

 2/24/00
PRINTED NAME / SIGNATURE OF SCOUTA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

Given to Weston / OBA 2/24/00

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: Elizabeth Beauchamp/
STL Savannah LaboratoriesDATE Jan 7, 00HEALTH & SAFETY APPROVAL REQUIRED: YES: NO: XPROJECT NAME Sauget Area 1 PROJECT LOCATION Sauget, IllinoisWEATHER PRECIPITATION TEMPERATURE NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES

1. CONTRACT ITEM BEING WORKED ON: Table 24 of the EE/CA and RI/FS Support Sampling Plan Volume 2, Appendix A.
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP): Sauget Area 1 Support Sampling Plan Volume 2B, Table 2, Table 7I, Table 3, and Table 5N. Sauget Area 1 EE/CA and RI/FS Support Sampling Plan Volume 1, Section 10.1.1.
3. REASON FOR DEVIATION: Current EPA methodology.
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED: Change TO1 method reference to TO17.
5. EQUIPMENT:
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME; MANPOWER ETC.):
7. REMARKS: None

Elizabeth F. Beauchamp
PRINTED NAME / SIGNATURE OF PREPARERJanuary 7, 2000
DATE

IF ADDITIONAL SPACE IS REQUIRED.

Kimberly Perry / Kimberly Perry / 2/2/00
PRINTED NAME / SIGNATURE OF SOLUTION REP / DATE
PRINTED NAME / SIGNATURE OF USEPA REP / DATEGiven to worker, OBG 2/2/00

CLARIFICATION LOG

INDIVIDUAL REQUESTING CLARIFICATION / COMPANY:

Elizabeth Beauchamp/

DATE Jan 7, 00

STL Savannah Laboratories

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME

Sauget Area 1

PROJECT LOCATION

Sauget, Illinois

WEATHER

PRECIPITATION

TEMPERATURE

NUMBER OF HOURS WORKED

NUMBER OF EMPLOYEES

1. CONTRACT ITEM BEING WORKED ON: Sauget Area 1 EE/CA and RI/FS Support Sampling Plan

2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP): Volume 1

3. REASON FOR CLARIFICATION: Typographical error

4. CLARIFICATION TO BE IMPLEMENTED: Section 10.1.1 volatile organics in air method should be TO17.

5. EQUIPMENT:

6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANCE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME; MANPOWER ETC.):

7. REMARKS: None

Elizabeth F. Beauchamp

PRINTED NAME / SIGNATURE OF PREPARER

January 7, 2000

DATE

IF ADDITIONAL SPACE IS REQUIRED,

Kimberly Perry / Kimberly Perry / 1/24/00

PRINTED NAME / SIGNATURE OF SOLUTION REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

Given to worker, OD on 2/22/00



Reg. F. Weston, Inc.
3 First Corporate Plaza, Suite 1000
70 West Madison Street
Chicago, Illinois 60601-4200
312-424-3200 • Fax 312-424-3200

FALSMINT
FAX

TO: Michael McAteer

Recipient's Telecopy

Telephone # _____

Recipient's Telephone # _____

FROM: Erik Kemper

Originator's Telephone # _____

TOTAL PAGES: _____ (including Cover Sheet)

DATE: _____

W.O. #: _____

COMMENTS:

Deviations issued from Solution
pertaining to Analytical Methods

Providing quality environmental management and consulting engineering services for over 40 years in the areas of:

Analytical Testing/Characterization
Air Quality
Water Quality/Wastewater
Hazardous, Solid, Radioactive Waste
Health and Safety

Life Sciences
Strategic Environmental Management
Information Management
Construction/Remediation
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55 Offices Worldwide

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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	084
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	010 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Clear, Temp. 40°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: Installed the deep and medium depth piezometers west of Site "G" 2) Sediment Sampling: Still no sampling being conducted. A deviation to the FSP has been submitted by Kimberly Perry. Solutia proposes to change the method for determining the sediment depth from "the first observed color change in the soil layers" to "the refusal depth of the manually pushed sample tube". The sample collection tube is a 3" diameter clear Lexan tube. Preliminary sampling activities showed color changes around 6" but the tubes could easily be pushed beyond that and the material below the 6" color change could also be characterized as sediments. I will discuss this change with Tim Gouger		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) The collection of sediment samples has not started yet although OBG is preparing for this activity and getting everything ready to begin.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSF section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) The deviation to the FSP was received at the end of the day, will discuss the change with Tim Gouger tomorrow.		


Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-10-00		

Jan 10

Completed deep well for site G
and also medium well installed

Sediment Sampling - a deviation has
been prepared by OBG to change
the determination of sediments from
the color change to as deep as a
man can push the tube. This will
increase the depth of the sample taken
to a foot or more.

EPA & USACE are concerned with this
deviation right now and will research
it a little further and let me know

DAILY WORK LOG

DATE 10 JAN 2000

PROJECT NAME Solutia - Saugeat Areal PROJECT LOCATION W. of G ; field ofc.
 WEATHER partly cloudy PRECIPITATION NONE TEMPERATURE -53°F
 NUMBER OF HOURS WORKED 47 NUMBER OF EMPLOYEES 6

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS

- ① : Installed ST-G-D and ST-G-M slug test piezometers W. of Site G
 : Prepared sample containers and supplies for creek sed. sampling.
- ② K. Peery approved modified sedi. sampling methods
- ③ None
- ④ No deviations performed ; however, see Deviation Log dated 10 JAN 2000
- ⑤ See visitors log
- ⑥ Drill rig, support vehicles, H-5 vehicles, monitoring equip.
- ⑦ None
- ⑧ None
- ⑨ None

CC : R. Peery 10 JAN 2000
 E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DE Harsdink DE Harsdink 10 JAN 2000
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / COMPANY: DE Haverdink /

DATE 10 JAN 2000

O'Brien + Gere

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME Solutia - Sargent Area 1

PROJECT LOCATION Dead Creek

WEATHER _____

PRECIPITATION _____

TEMPERATURE _____

NUMBER OF HOURS WORKED _____

NUMBER OF EMPLOYEES _____

1. CONTRACT ITEM BEING WORKED ON: _____
2. ITEM BEING DEVIATED (REF. APPROP. SEC. OF FSP/HASP): _____
3. REASON FOR DEVIATION: _____
4. DEVIATION OR FIELD CHANGE TO BE IMPLEMENTED: _____
5. EQUIPMENT: _____
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT, TIME, MANPOWER, ETC.): _____
7. REMARKS: _____

- ① Sediment sampling - vertically integrated core samples
- ② Field procedures for sed. depth measurement and sample collection - FSP # 5.20.1
- ③ Field results to date preliminarily indicate the possibility for sediment to be deeper than the first observed color change and possibly greater than 12" thick
- ④ Sediment depths to be measured using the 3" diameter sampling tubes, manually advanced with the core sampler assembly by the same individual. Sed. depth will be identified as the refusal depth of the manually pushed tube. Sed. sample will be collected for analysis from the tube which was advanced into the sediment the greatest depth among the 3 sed. depth measurements at each location; the total recovered length will be composited for analysis from the sample tube; compositing will be performed manually using a large pre-cleaned sealed (e.g. Ziploc) bag; sample containers will be filled from the bag as soon as compositing is performed
- ⑤ Manual push-type sediment core sampler with check valve, extension rods, and 3" diameter poly carbonate tube; preformed plastic bags
- ⑥ Additional costs may be incurred for equipment & additional lengths of sampling tubes
- ⑦ Sed. depth measurements will not be re-performed in CS-F; sed. samples will be collected by manually pushing the sample tube to refusal and recording the refusal depth - sample tube will be pushed at the previously identified location of greatest sed. depth (CS-F only)

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

10 JAN 00

DATE

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Kimberly Perry / Kimberly Perry 1/10/00
PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

WORK FORECAST

Work Forecast for the day/week: 11 JAN 2000

Date: 10 JAN 2000

Project Name: Solutia - Sanger Area 1

Project Location: SE of L; CS-F

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

• Begin logging "deep boring" SE of Site L for slug test
piez. inst.

• Begin collecting sed. samples in CS-F

CC: K. Fritz 10 JAN 2000

E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Blumberg 10 JAN 2000
Name/Signature/Date of Preparer

SAFETY MEETING FORM (sediment sampling)

DATE 10 JAN 00

CONDUCTED BY COMPANY DE Haverdink / O'Brien + Gore

PROJECT NAME Solutia - Sauget Area

PROJECT LOCATION CS-F

WEATHER partly cloudy

PRECIPITATION none

TEMPERATURE 44°F

NUMBER OF HOURS WORKED

NUMBER OF EMPLOYEES

1. SCHEDULED WORK
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

① Sediment sampling

② FSP # 5.20 HASP # 2.9

③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain

④ PPE is level D with rubber boots or waders (depending on creek conditions) vest, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft deep

⑤ Segregate waste, gross equip. down before leaving creek, drive with caution in the area, smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME

EMPLOYEE SIGNATURE

COMPANY

COLIN WELLENKAMP

Colin Wellenkamp

OSG

Nick Jenkins

Nick Jenkins

OSG

Tim Inverso

Tim Inverso

OSG

DARREN THOMPSON

Darren Thompson

OSG

Gordon Perry

Gordon Perry

Solutia

PEN LAFFERTY

Pen Lafferty

HAVERDICK

MARK GREEN

Mark Green

ZEI

DEMETRIUS HAMPTON

Demetrius Hampton

ZEI

cc K. Perry

10 JAN 2000

E. Kemper

@ 1800

IF ADDITIONAL SPACE IS REQUIRED
RECORD ON REVERSE SIDE

DE Haverdink / O'Brien + Gore

PRINTED NAME / SIGNATURE OF PREPARER

10 JAN 00

DATE

SAFETY MEETING FORM

(Piezometer installation for slug testing)

DATE 10-JAN-00CONDUCTED BY COMPANY DE Haverdink / O'Brien + GerePROJECT NAME Solara - Target Area 1 PROJECT LOCATION W. of Site GWEATHER partly cloudy PRECIPITATION none TEMPERATURE ~44°FNUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

(1) Piezometer installation for slug testing.(2) FSP # 5.14 HASP # 2.6 (generally applicable)(3) Drilling hazards of over-head falling objects, moving parts, pressurized lines, noise, CC roll-over; potential contact with impacted soil & water, impacted impact from the boring, slips / trips / falls, muscle strain(4) PPE is modified level D w/ air monitoring in breathing zone using PID, PAM, & gas; respirator on hand if upgrade to level C is necessary; drilled to inspect PID on daily basis and repair as needed(5) Drive w/ caution around the Salt & Office; segregate work; smoking in vehicles only

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

William E. WrightWilliam E. WrightO'Brien + GereTim CrankTim CrankHarrisSteve MuddSteve MuddHarrisTim MuddTim MuddOBGKimberly PerryKimberly PerrySaltinKen LaffertyKen LaffertyMAVERICKCC: K. Perry
E. Kemper10 JAN 2000
@ 1800IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDEDE Haverdink / O'Brien + Gere
PRINTED NAME / SIGNATURE OF PREPARER10 JAN 00
DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Solutia Inc.
Sauget Area 1
(Please Print)

Slug test pier. inst.
lv. of G

[illegible]

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	085
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	011 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Clear, Temp. 50°F

CQC Inspection phases attended and instruction given:

- 1) **Slug Testing:** Begin Deep boring for location SE of Site L
- 2) **Sediment Sampling:** Sampling has begun at southern end of Creek Segment F. A deviation to the FSP has been submitted by Kimberly Perry. Solutia proposes to change the method for determining the sediment depth from "the first observed color change in the soil layers" to "the refusal depth of the manually pushed sample tube". The sample collection tube is a 3" diameter clear Lexan tube. Preliminary sampling activities showed color changes around 6" but the tubes could easily be pushed beyond that and the material below the 6" color change could also be characterized as sediments. I will discuss this change with Tim Gouger

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) The collection of sediment samples has not started yet although OBG is preparing for this activity and getting everything ready to begin.

Verbal instruction given to contractor: (Include names, reactions and remarks)

- 1) I informed Kimberly we have some concern initially of the deviation in the sediment collection. It is possible the sample would be diluted by collecting sediments from deeper than necessary. We are evaluating the validity of this procedure and the USEPA will converse with Solutia on this subject.

Has anything developed on the work, which might lead to a change order or finding of fact? NO YES

- 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.
- 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

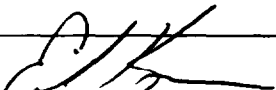
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-11-00		

Jan 11

Began boring at site L for slug tests

USACE + EPA are thinking about
the Sediment Denatation

DAILY WORK LOG

DATE 11 JAN 00

PROJECT NAME Solutia - Sagoet Area

PROJECT LOCATION SE of L., CS-F,

WEATHER partly cloudy

PRECIPITATION none

TEMPERATURE ~50°F

NUMBER OF HOURS WORKED 51-5

NUMBER OF EMPLOYEES 6

1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)

2 INSTRUCTIONS RECEIVED FROM SOLUTIA

3 INSTRUCTIONS RECEIVED FROM USEPA

4 DEVIATIONS

5 VISITORS (NAMES & TITLES)

6 EQUIPMENT

7 LUNCH MEETING COMMENTS

8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9 REMARKS

- ① Collected sed. samples S1 through S7 in CS-F
Developed slug test piezometers at ST-H and ST-I
Logged boring for slug test piezometer inst. to 50 fgs SE of L
Continued surveying creek cross-sections in CS-F
- ② ~~None~~ K. Perry approved location of slug test piez. SE of L
- ③ None
- ④ None

⑤ See visitors log

⑥ Drilling, support vehicles, H&S equip, monitoring equip, pump + generator, sampling equip.

⑦ None

⑧ None

⑨ None

CC: K. Perry
E. Kemper

11 JAN 00
0. 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Blandin / 11 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the (day) week: 1-12-00

Date: 1-11-00

Project Name: Solutia - Sargent Area 1

Project Location: ~~Sargent~~ ^{CS-F} ^{SE & L} ^{slug test piezometers}

Company Name: O'Brien and Gere

1. List Work Items and Locations Scheduled for Next Day Week:

- Continue sediment sampling @ CS-F
- Continue logging boring down to 80 ft @ ST-L. Possibly install ST-L-S
- Continue development of slug-test piezometers

CC: K. Perry 11 JAN '00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Thomas S. Jenkins 1-11-00
Name Signature/Date of Preparer

SAFETY MEETING FORM

(Piezometer installation for slug tests)

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere DATE 11 JAN 00

PROJECT NAME Solutia-Sauget Area 1 PROJECT LOCATION SE of L; slug test piez.

WEATHER clear PRECIPITATION none TEMPERATURE ~40°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

- (1) Piezometer installation for slug testing; develop slug test piez.
- (2) FSP # 5.14 HASP # 2.6 (generally applicable)
- (3) Drill rig hazards of over-head falling objects, moving parts, pressurized lines, noise, CO roll-over; potential contact with impacted soil & water, impacted impacts from the boring, slips / trips / falls, muscle strain, electric shock from generator & wiring
- (4) PPE is modified level D w/ air monitoring in breathing zone using PID, RAM, 4-gas; respirator on hand if upgrade to level C is necessary; driller to inspect rig on daily basis and repair as needed
- (5) Drive w/ caution around the field office; segregate waste; smoking in vehicles only

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
John Afferty	[Signature]	MURPHY
Kimberly [unclear]	[Signature]	Solutia
Quinn Thompson	[Signature]	OBC
Laurenca [unclear]	[Signature]	Calhoun PD
William E. Wright	[Signature]	OBC
Tim Ledesma	[Signature]	OBC
Steve Mudd	[Signature]	Harris
Tim Crank	[Signature]	Harris
Mark Jenkins	[Signature]	OBC
John McMullan	[Signature]	Harris

CC: K. Perry 11 JAN 00
E. Kasper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

11 JAN 00
DATE

SAFETY MEETING FORM (sediment sampling)

DATE 11 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sauget Area PROJECT LOCATION CS-F

WEATHER Clear PRECIPITATION None TEMPERATURE ~40°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

① Sediment sampling ; surveying of creek cross sections

② FSP # 5.20 HASP # 2.9

③ Potential contact with impacted sediment + water ; breathing of impacted vapors ; slips / trips / falls into water or down the bank ; muscle strain

④ PPE is level D with rubber boots or waders (depending on creek conditions) ~~and~~, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep

⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Kimberly Perry	<i>[Signature]</i>	Solutia
Ken LAERERTZ	<i>[Signature]</i>	MAUERER
James Thompson	<i>[Signature]</i>	OBG
Lawrence H. Howell	<i>[Signature]</i>	Calhoun PD
Tim Tedesco	<i>[Signature]</i>	OBG
Nick Jenkins	<i>[Signature]</i>	OBG
ANDY DELAND	<i>[Signature]</i>	ZEI
DEMETRIUS HAMPTON	<i>[Signature]</i>	ZEI

cc: K. Perry 11 JAN 00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

11 JAN 00
DATE

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Sauget Site Investigation Waste Tracking Log

Date: 1-11-00

[illegible]

Notes:

Storage Tank Capacity: 4,900 Gallons

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	086
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	012 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Clear, Temp. 60°F

CQC Inspection phases attended and instruction given:

- 1) **Slug Testing:** Installed shallow well for location SE of Site L
- 2) **Sediment Sampling:** Sampling is continuing for Creek Segment F. there are 40 locations through out CS-F, so far 14 have been collected. A deviation to the FSP has been submitted by Kimberly Perry. Solutia proposes to change the method for determining the sediment depth from "the first observed color change in the soil layers" to "the refusal depth of the manually pushed sample tube". The sample collection tube is a 3" diameter clear Lexan tube. Preliminary sampling activities showed color changes around 6" but the tubes could easily be pushed beyond that and the material below the 6" color change could also be characterized as sediments. I will discuss this change with Tim Gouger

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) There is a deviation in the sample procedure for sediments. We are waiting for a resolution to this matter.

Verbal instruction given to contractor: (Include names, reactions and remarks)

- 1) I informed Kimberly we have some concern initially of the deviation in the sediment collection. It is possible the sample would be diluted by collecting sediments from deeper than necessary. We are evaluating the validity of this procedure and the USEPA will converse with Solutia on this subject.

Has anything developed on the work, which might lead to a change order or finding of fact? NO YES

- 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.
- 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1)

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE

DATE

SUPERVISOR'S
INITIALS

DATE

01-12-00

Jan 12

Berings at Site L

Sampling continued in the creek although
Gauger still has concern with what they
are doing. I have not heard of
a resolution yet

DAILY WORK LOG

DATE 12 JAN 00

PROJECT NAME Solutia - Sagoat Area PROJECT LOCATION SE of L, CS-F

WEATHER clear PRECIPITATION none TEMPERATURE ~60F

NUMBER OF HOURS WORKED 40.5 NUMBER OF EMPLOYEES 6

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION STA. TO STA. FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS:
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS:

- ① • Collected sed. samples from SR-514 in CS-F; also a field dup. at S12
 • Completed boring for descriptive logging for slug test piez. inst. SE of L;
 installed ST-L-S, screened at 9-14 ftg; began boring for inst. of
 ST-L-D
 • Developed slug test piezometers ST-H-D; ST-G-S, M, N; and ST-N-M
 • Continued cross section survey in CS-F

- ② None
- ③ None
- ④ None

- ⑤ See visitors log

- ⑥ Drill rig, support vehicle, sampling equip., H&S equip., generator + pump, monitoring equip.

- ⑦ None
- ⑧ None
- ⑨ None

CL: K. Perry 12 JAN 00
 E. Kemper @ 1815

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink / 12 JAN 00
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Piezometer installation for slug tests)

DATE 12 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sauget Areal PROJECT LOCATION SE of L, ST-G, ST-N


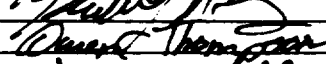
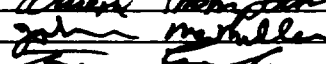


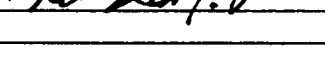

WEATHER Clear PRECIPITATION none TEMPERATURE ~35°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- (1) Piezometer installation for slug testing; development of existing ^{slug test} piezometers
- (2) FSP # 5.14 HASP # 2.6 (generally applicable)
- (3) Drilling hazards of overhead falling objects, moving parts, pressurized lines, noise, CO, roll-over; potential contact with impacted soil + water, impacted vapors from the boring, slips / trips / falls, muscle strain; electrical hazards w/ generator + pump
- (4) PPE is modified level D w/ air monitoring in breathing zone using PID, RAM, 4-gas; respirator on hand if upgrade to level C is necessary; driller to inspect rig on daily basis and repair as needed
- (5) Drive w/ caution around the field office; segregate wastes; smoking in vehicles only

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
KEN LAFFERTY		MAVERICK
Kimberly Perry		Solutia
DARIN THOMPSON		O&G
Taha McMullen		HARRISS
Tim Crank		HARRIS
William E. Wright		O&G
RON LABBE JR		CANONDA POLICE

CC: K. Perry 12 JAN 00
E. Kemper @ 1815

IF ADDITIONAL SPACE IS REQUIRED
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

12 JAN 00

DATE

SAFETY MEETING FORM

(sediment sampling)

DATE 12 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sauget Areal PROJECT LOCATION CS-F

WEATHER Clear PRECIPITATION none TEMPERATURE +35°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Sediment sampling; Sauget Creek cross-sections
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) ~~and~~, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep
- ⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME	EMPLOYEE SIGNATURE	COMPANY
Ken Haverdink	Ken Haverdink	MAURICK
Nick Jenkins	Nick Jenkins	Solutia
RON LABBES JR	RON LABBES JR	O&G
MARK COLEEN	MARK COLEEN	CATHOLIC POLICE
Dennis Hampton	Dennis Hampton	2ET

cc: K. Perry 12 JAN 00
E. Kemper 3 18 15

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

12 JAN 00
DATE

WORK FORECAST

Work Forecast for the day week: 01-17-00

Date: 01-12-00

Project Name: Sauget Area 1

Project Location: Sauget IL

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day Week:

A. Complete Slug test piezometer installation / Development

B. Continue Creek Sediment Sampling

C. Moving & Storing drums

D. Potentially begin slug tests

CC: K. Perry 12 Jan 00
E. Kemper @ 1815

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

William E. Hight 01/12/00
Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the (day) week: 01-13-00

Date: 01-12-00

Project Name: Sauget Area 1

Project Location: Sauget IL

Company Name: O'Brien & Gere Engineers

1. List Work Items and Locations Scheduled for Next Day Week:

A.) Continue Sediment Sampling in ~~CS~~ CS-F

B.) Continue installation of Slug Test Piezometers ST-L-D/M

C.) Continue Development of piezometers ST-N-M & S

D.) Continue Survey work in Dead Creek/or at previous sampling locations.

CC: K. Perry
E: Kemper

12 Jan 00
@ 1815

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

William E. Wright 01/12/00
Name/Signature/Date of Preparer

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	087
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	013 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Clear, Temp. 40°F

CQC Inspection phases attended and instruction given:

- 1) **Slug Testing:** Installed Deep and Medium depth wells for location SE of Site L
- 2) **Sediment Sampling:** Sampling is continuing for Creek Segment F. there are 40 locations through out CS-F, 18 of them have been collected to date. Kimberly Perry has submitted a deviation to the FSP. Solutia proposes to change the method for determining the sediment depth from "the first observed color change in the soil layers" to "the refusal depth of the manually pushed sample tube". The sample collection tube is a 3" diameter clear Lexan tube. Preliminary sampling activities showed color changes around 6" but the tubes could easily be pushed beyond that and the material below the 6" color change could also be characterized as sediments. I will discuss this change with Tim Gouger

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) There is a deviation in the sample procedure for sediments.

(Notes from the conference call held today with USEPA, USACE, and Solutia are attached to the end of this report.)

Verbal instruction given to contractor: (Include names, reactions and remarks)

- 1) I informed Kimberly we have some concern initially of the deviation in the sediment collection. It is possible the sample would be diluted by collecting sediments from deeper than necessary. We are evaluating the validity of this procedure and the USEPA will converse with Solutia on this subject. ***This issue was resolved today during a conference call with McAteer, Gouger, Light, and Yare.***

Has anything developed on the work, which might lead to a change order or finding of fact? NO YES

- 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.
- 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

1) Work continues as expected.

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

No work on 1-14-00 due to training scheduled for OBG personnel.

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S
INITIALS

DATE

01-13-00

CONFERENCE CALL NOTES
SAUGET SITE 1
January 13, 2000

Date: Thursday, 13 January 2000, 4:00 PM

Participants: Mike McAteer, Tim Gouger, Mike Light, Bruce Yare

Subject: Sediment Sampling within Dead Creek

Sediment sampling began within Dead Creek starting the week of January 10, 2000. Solutia Inc. submitted a deviation log to change the sampling procedure. Solutia wished to take composite samples over a several feet interval, rather than collect composite samples over the top 6.5" of sediment, the interval providing habitat for benthic organisms. The federal government maintained the sample procedure should not change as the characterization of the creek must be compared to the toxicity testing and baseline risk assessment to determine what, if any, sediments should be removed. On the conference call, Bruce Yare described the toxicity test results. He reported significant reductions to the survival of macroinvertebrates for just about every bioassay within the creek. While some reductions were reported for the reference areas, Bruce indicated these results did not lessen the severity to end points within the creek. Solutia Inc. maintains that a removal action is now necessary for the entire creek, from CSA-B through CSA-E. Section F will be revisited later. Solutia Inc. is prepared to remove sediments to native soils, as defined by geotechnical data in addition to visual observation, and place them into the TSCA Cell. Solutia Inc will still perform confirmation sampling. Solutia plans to reduce the leachability of remaining contamination, if any, through use of a liner and clean fill. Solutia plans to submit a report on their findings and a plan to remove sediments from proposed sections. Bruce Yare will be developing volume estimates based upon the profiling to adequately size the TSCA cell. Solutia Inc. will attempt to address the culvert restoration at the same time as the sediment removal action, but several issues need to be resolved.

Conclusion: Given this information, we are not concerned with taking sediment samples in the top 6.5" of sediments as these sediments will be removed. Taking the composite sediment samples over a several foot interval is satisfactory. As new information is provided, the adequacy of the plan will be evaluated.

Jan 13

Deep + Medium wells installed
at Site Z

Sediment Sampling continues

A conference call with Mike McHester
Tim Garger, Bruce Yare, Mike Light
today about the Deviation

No more concern with the sample method

DAILY WORK LOG

DATE January 13, 2012

PROJECT NAME Sauget Area 1 PROJECT LOCATION Sauget IL
 WEATHER Clear, cool, high 40°F PRECIPITATION none TEMPERATURE 40-42
 NUMBER OF HOURS WORKED 41.5 NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)

2. INSTRUCTIONS RECEIVED FROM Solutia

3. INSTRUCTIONS RECEIVED FROM USEPA

4. DEVIATIONS

5. VISITORS (NAMES & TITLES)

6. EQUIPMENT

7. LUNCH MEETING COMMENTS:

8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9. REMARKS:

1.) Install Slug test piezometers ST-L-D and ST-L-M

Collect Creek Sediment Samples FASD-CSF-15W, 15MS/MSD, 16, 17W and 18E

Develop slug test piezometers ST-N-D + ST-N-S

Survey points which were sampled or installed previously

2.) ~~None~~ Surveyor to notify Rogers Cartage @ office before surveying soil gas points

3.) None

4.) None

5.) See visitors log

6.) Drill rig, support vehicles, monitoring, H₂S, + sampling equip; generator and pump

7.) None

8.) None

9.) None

cc: K. Perry 13 JAN 2012
 E. Kemper @ 1745

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DE HAVENHINE / DE HAVENHINE / BRANCE
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

WORK FORECAST

Work Forecast for the day/week: 01-14-00

Date: 01-13-00

Project Name: Sauget Area 1

Project Location: Sauget, IL

Company Name: O'Brien & Gere Engineers

1. List Work Items and Locations Scheduled for Next Day/Week:

no work scheduled for this date

C.C. K. Perry
E. Kemper

01/13/00
@ 1745

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

William E. Bryant
Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day week: 17 JAN 00

Date: 13 JAN 00

Project Name: Solutra - Saugut Area

Project Location: _____

Company Name: OBG

1. List Work Items and Locations Scheduled for Next Day Week:

- Continue creek sediment sampling in CS-F
- Develop slug test piez. at ST-L
- Coordinate slug tests
- Continue surveying activities

cc: K. Perry 13 JAN 00
E. Kemper 01745

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Howard / DE Howard / 13 JAN 00
Name/Signature/Date of Preparer

SAFETY MEETING FORM

(Piezometer installation for slug tests)

DATE 13 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sagnet Area PROJECT LOCATION SE of L. ST-N

WEATHER Clear PRECIPITATION none TEMPERATURE ~32°

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Piezometer installation for slug testing; piezometer development
- ② FSP # 5.14 HASP # 2.6 (generally applicable)
- ③ Drill rig hazards of overhead falling objects, moving parts, pressurized lines, noise, & roll-over; potential contact with impacted soil & water. impacted impacts from the boring, slips / trips / falls, muscle strain
- ④ PPE is modified level D w/ air monitoring in breathing zone using PID, RAM, 4-gas; respirator on hand if upgrade to level C is necessary; driller to inspect rig on daily basis and repair as needed
- ⑤ Drive w/ caution around the field office; segregate wastes; smoking in vehicles only

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
John McMillan	<i>John McMillan</i>	Harris
William E. Wright	<i>William E. Wright</i>	DB
Tia Crank	<i>Tia Crank</i>	Harris
COLIN McLENNAN	<i>Colin McLennan</i>	DMG
Kimberly Perry	<i>Kimberly Perry</i>	Solutia
STEVEN PHOON	<i>Steven Phoon</i>	CARDINAL
KEN LAFFERTY	<i>Ken Lafferty</i>	MAURICE
John S. Thompson	<i>John S. Thompson</i>	CBG
MARK COLEMAN	<i>Mark Coleman</i>	Z&I
Demetrius Hampton	<i>Demetrius Hampton</i>	Z&I

CC: K. Perry 13 JAN 00
E. Kemper 01745

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

13 JAN 00

DATE

SAFETY MEETING FORM
(sediment sampling)

DATE 13 JAN/00

CONDUCTED BY / COMPANY DE Haversink / O'Brien & Gere

PROJECT NAME Solutia - Sauget Areal PROJECT LOCATION CS-F

WEATHER clear PRECIPITATION none TEMPERATURE ~32°F

NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS:

- ① Sediment sampling ; surveying creek cross-sections
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water ; breathing of impacted vapors ; slips / trips / falls into water or down the bank ; muscle strain
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) ~~and~~ trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep
- ⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Colin WELLENKAMP	<i>Colin W. Wellenkamp</i>	O'Brien & Gere
Kimberly Perry	<i>Kimberly Perry</i>	Solutia
STEVEN PATON	<i>Steven Paton</i>	CHERKIN PD.
TEN LARSEN	<i>Ten Larsen</i>	WALKER
DAREN Thompson	<i>Daren Thompson</i>	O'Brien & Gere

CC: K. Perry 13 JAN/00
E. Kemper @ 1745

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversink / DE Haversink
PRINTED NAME / SIGNATURE OF PREPARER

13 JAN/00

DATE

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	088
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	017 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy & Rain, Temp. 32°F

CQC Inspection phases attended and instruction given:

- 1) **Slug Testing:** all wells have been installed and developed but the Slug Tests have not been conducted for any location.
- 2) **Sediment Sampling:** Sampling is continuing for Creek Segment F. there are 40 locations through out CS-F, 24 of them have been collected to date.

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) None

Verbal instruction given to contractor: (Include names, reactions and remarks)

- 1) None

Has anything developed on the work, which might lead to a change order or finding of fact? NO YES

- 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.
- 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Work continues as expected.

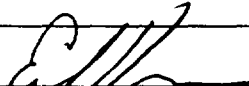
Information, instructions or actions taken not covered on QCR report or disagreement:

- 1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-17-00		

Jan 18

All wells have been installed for
the slug tests - no testing has been
done at this time

Creek Sediment Sampling continues
in CS-F

DAILY WORK LOG

DATE 17 JAN 00

PROJECT NAME Solutia - Saugeat Area

PROJECT LOCATION CS-F ; ST-L

WEATHER cloudy

PRECIPITATION rainy p.m.

TEMPERATURE ~32°F

NUMBER OF HOURS WORKED 4.3

NUMBER OF EMPLOYEES 5

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA. FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS

- ① : Developed piezometers at ST-L
: Collected sediment samples in CS-F at 519-524 ; collected a field dup. at 521 in CS-F
: Continued survey of previous ~~point~~ samp. points or installations
- ② None
- ③ None
- ④ None
- ⑤ See attached visitors log
- ⑥ Support vehicles, H&S equip., sampling equip., generator + pump
- ⑦ None
- ⑧ None
- ⑨ Sed. sampling was cut short for the day due to continuing rain in the p.m.

CC: K. Perry 17 JAN 00
E. Kemper @ 1700

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink 17 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day week: 18 JAN 00

Date: 17 JAN 00

Project Name: Solutia - Sanger Areal

Project Location: CS-F

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day Week:

• Continue sediment sampling in CS-F

CC: K. Perry 17 JAN 00
E. Kemper @ 1700

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdine / DE Haverdine / 17 JAN 00
Name/Signature/Date of Preparer

SAFETY MEETING FORM

(sediment sampling)
(+ develop ST-L piezometers)

DATE 17 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sauget Area

PROJECT LOCATION CS-F ; ST-L

WEATHER Cloudy

PRECIPITATION none

TEMPERATURE ~32°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK:
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
- 5 COMMENTS

① Sediment sampling ; slug test piez. development ; continued surveying of samp/piez. points

② FSP # 5.20 HASP # 2.9

③ Potential contact with impacted sediment + water ; breathing of impacted vapors ; slips / trips / falls into water or down the bank ; muscle strain
Electric shock from generator + pump ; muscle strain ; slips / trips / falls

④ PPE is level D with rubber boots or waders (depending on creek conditions) waders, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep

⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME (last)

EMPLOYEE SIGNATURE

COMPANY

KEN LAFFERTY

COLIN WELLEN/DAMP

Jim Tedesco

William E. Wright

Dawn Thompson

GUYTON Y. PERRY

MATTHEW GREEN

Andy DeLeon

[Signature]

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[Signature]

UNIVERSITY

O&G

O&G

O&G

O&G

Solutia

ZEL

ZEL

CC: K. Perry 17 JAN 00
E. Kemper @ 1700IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / O'Brien + Gere

PRINTED NAME / SIGNATURE OF PREPARER

17 JAN 00

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

INSPECTORS QUALITY ASSURANCE REPORT (QAR)
DAILY LOG OF CONSTRUCTION - MILITARY (ER
415-1-302)

THE OCR WILL BE ATTACHED TO OR FILED WITH THE
QAR.

REPORT NO.

089

PROJECT

Solutia Sauget Area 1
Sauget, IL

DATE

018 January, 00

CONTRACT NO.

CONTRACTOR

O'Brien Gere

WEATHER

Cloudy, Temp. 40°F

CQC Inspection phases attended and instruction given:

- 1) **Slug Testing:** all wells have been installed and developed but the Slug Tests have not been conducted for any location.
- 2) **Sediment Sampling:** Sampling is continuing for Creek Segment F. there are 40 locations through out CS-F, 36 of them have been collected to date.

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) Weston took splits of the sediment samples in CS-F # 34 and 36 the sample depths were taken from 0 to 14 inches.

Verbal instruction given to contractor: (Include names, reactions and remarks)

- 1) None

Has anything developed on the work, which might lead to a change order or finding of fact? NO YES

- 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.
- 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Work continues as expected.

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS' S SIGNITURE

DATE

SUPERVISOR'S
INITIALS

DATE

01-18-00

Jan 18

Sediment Sample continues

Splits taken in CS-F # 34 + 36

depths were at 14"

Jan 19

Finished CS-F and continue
in CS-E this will take more time
as no depths have been recorded
yet. OBG will do all the work at
one location

DAILY WORK LOG

DATE 18 JAN 00

PROJECT NAME Solutia - Sargent Area 1

PROJECT LOCATION CS-F

WEATHER cloudy

PRECIPITATION NONE

TEMPERATURE ~40°F

NUMBER OF HOURS WORKED 51

NUMBER OF EMPLOYEES 6

1 ITEMS WORKED ON (ITEM NO DESCRIPTION STA TO STA FOREMAN)

2 INSTRUCTIONS RECEIVED FROM SOLUTIA

3 INSTRUCTIONS RECEIVED FROM USEPA

4 DEVIATIONS

5 VISITORS (NAMES & TITLES)

6 EQUIPMENT

7 LUNCH MEETING COMMENTS

8 UNUSUAL EVENTS (FIRE FLOOD STORM LABOR DISPUTES ETC)

9 REMARKS

① Collected sed. samples from 525-534, 536, 537^{in CS-F}; collected field dup's at 532 + 536; split sed. samples w/ Erik Kemper at Weston at 534 and 536

② None

③ None

④ None

⑤ ~~See~~ See visitors log

⑥ Support vehicles; H&S equip.; sampling equip.

⑦ None

⑧ None

⑨ Sed. sample not collected at 535 due to difficulty with sample recovery

CC: L. Kelly 18 JAN 00
E. Kemper @ 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink / 18 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

MEETING FORM

DATE 18 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien & Gere

PROJECT NAME Solutia - Sauget Area

PROJECT LOCATION CS-F

WEATHER cloudy

PRECIPITATION overnight

TEMPERATURE ~32°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

- ① Sediment sampling
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) pants, tyveks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft deep
- ⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Colin Weller/KMYS	<i>Colin Weller</i>	OBG
Ken Lafferty	<i>Ken Lafferty</i>	MAVERICK
Kimberly Perry	<i>Kimberly Perry</i>	Solutia
Ron Ladd/GSC	<i>Ron Ladd</i>	CANONIA POLICE
CHUCK THOMPSON	<i>Chuck Thompson</i>	OBG
William E. Wright	<i>William E. Wright</i>	OBG
Mark Jenkins	<i>Mark Jenkins</i>	OBG
Debbie Hargrave	<i>Debbie Hargrave</i>	ZEI
MARK GILLES	<i>Mark Gilles</i>	ZEI

cc: K. Perry 18 JAN 00
E. Kemp 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

18 JAN 00

DATE

WORK FORECAST

Work Forecast for the day week: 19 JANU

Date: 19 JANU

Project Name: Solutia - Sargent & Lundy

Project Location: CS-E

Company Name: CDG

1. List Work Items and Locations Scheduled for Next Day Week:

Continue collecting sed. samples in CS-E

Begin performing sed. depth measurements and collecting
sed. samples in CS-E

CC: K. Perry 18 JAN 00
E. Kemper @ 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversdink / DE Haversdink / 18 JAN 00
Name/Signature/Date of Preparer

red sampling

[illegible]

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)
DAILY LOG OF CONSTRUCTION - MILITARY (ER
415-1-302)**

**THE OCR WILL BE ATTACHED TO OR FILED WITH THE
QAR.**

REPORT NO.

090

PROJECT

Solutia Sauget Area 1
Sauget, IL

DATE

019 January, 00

CONTRACT NO.

CONTRACTOR

O'Brien Gere

WEATHER

Cloudy, Temp. 35°F

CQC Inspection phases attended and instruction given:

- 1) **Slug Testing:** all wells have been installed and developed but the Slug Tests have not been conducted for any location.
- 2) **Sediment Sampling:** Completed sediment sampling for Creek Segment F. Begin Sampling CS-E

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) Weston took splits of the sediment samples in CS-F # 38 and 40 the sample depths were taken from 0 to 14 inches.

Verbal instruction given to contractor: (Include names, reactions and remarks)

- 1) None

Has anything developed on the work, which might lead to a change order or finding of fact? NO YES

- 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.
- 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice.

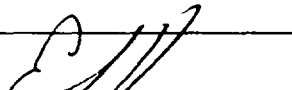
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS' S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-19-00		

DAILY WORK LOG

DATE 19 JAN 00

PROJECT NAME Solutia - Sargent Area 1 PROJECT LOCATION CS-F + E

WEATHER cloudy PRECIPITATION light drizzle on/off TEMPERATURE ~35°F

NUMBER OF HOURS WORKED 51 NUMBER OF EMPLOYEES 6

1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA TO STA, FOREMAN)
2. INSTRUCTIONS RECEIVED FROM SOLUTIA
3. INSTRUCTIONS RECEIVED FROM USEPA
4. DEVIATIONS
5. VISITORS (NAMES & TITLES)
6. EQUIPMENT
7. LUNCH MEETING COMMENTS
8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
9. REMARKS

- (1) Collected sed. samples in CS-F + CS-E; performed sed. depth measurements in CS-E; collected samples @ 538-540 in CS-F + MS/MSD @ 539 + splits w/ F. Kemper @ 538 + 540; collected samples @ 51-52 in CS-E
- (2) Hold off collecting a sed. samp. @ 535 in CS-F until further notice.
- (3) None
- (4) None
- (5) See attached visitors log
- (6) Support vehicles, H&S equip., monitoring equip., sampling equip.
- (7) None
- (8) None
- (9) Difficulty obtaining samples in CS-E due to refusal on what seems to be roots or other obstructions (non-sediment)

CC: K. Perry 19 JAN 00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdine / DE Haverdine 19 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM (sediment sampling)

DATE 19-JAN-00

CONDUCTED BY / COMPANY DE Haversink / O'Brien + Gere

PROJECT NAME Solutia - Sauget Area PROJECT LOCATION LS-F, LS-E

WEATHER cloudy PRECIPITATION light drizzle TEMPERATURE -30°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS:

① Sediment sampling + sed. depth measurement

② FSP # 5.20 HASP # 2.9

③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects

④ PPE is level D with rubber boots or waders (depending on creek conditions) + pants, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep, be aware of cold weather symptoms + take appropriate warming break.

⑤ Segregate waste, gross equip. down before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ken Lafferty

Ken Lafferty

MAURICIE
Solutia

Nick Jenkins

Nick Jenkins

O&G

Dan Thompson

Dan Thompson

P&G
Catalina P.D.

Matt Steinhilber

Matt Steinhilber

O&G

William E. Wright

William E. Wright

O&G

Colin Wellenkamp

Colin Wellenkamp

O&G

CC: K. Perry
E. Kemper

19 JAN 00
@ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversink / DE Haversink
PRINTED NAME / SIGNATURE OF PREPARER

19 JAN 00
DATE

CS-F
Crack seal. sample.

CS-F
Crack seal. sample.

[illegible]

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

WORK FORECAST

Work Forecast for the (1) day week: 20 JAN 00

Date: 19 JAN 00

Project Name: Solutia - Sauge + Area 1

Project Location: CS-E

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day Week:

Continue performing sed. depth measurements and collecting sed.
samples in CS-E

CC: K. Perry 19 JAN 00

E. Kasper C 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DEHurdine / DEHurdine / 19 JAN 00
Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day (week): 24 JANUO

Date: 19 JANUO

Project Name: Solutra - Sarget Area 1

Project Location: Sarget / Cahokia

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day Week:

- Move and dump slug test drums
- Perform upgradient alluv. eq. sampling
- Perform background soil sampling
- Continue performing sed. depth measurements and collecting creek sed. samples

CL: K. Perry 19 JANUO
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Howard / DE Rhoads / 19 JANUO
Name/Signature/Date of Preparer

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)
DAILY LOG OF CONSTRUCTION - MILITARY (ER
415-1-302)**

**THE OCR WILL BE ATTACHED TO OR FILED WITH THE
QAR.**

REPORT NO.

091

PROJECT

Solutia Sauget Area 1
Sauget, IL

DATE

020 January, 00

CONTRACT NO.

CONTRACTOR

O'Brien Gere

WEATHER

Cloudy, Temp. 25°F

CQC Inspection phases attended and instruction given:

- 1) **Slug Testing:** all wells have been installed and developed but the Slug Tests have not been conducted for any location.
- 2) **Sediment Sampling:** Continue sampling Creek Segment E

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) Ice, cold weather, and deep water are hindering sampling efforts.

Verbal instruction given to contractor: (Include names, reactions and remarks)

- 1) None

Has anything developed on the work, which might lead to a change order or finding of fact? NO YES

- 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.
- 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area.
- 3) Adequate information has not been submitted from Menzie Cura to address the usage of fresh water shrimp in the risk assesment.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice.

Information, instructions or actions taken not covered on QCR report or disagreement:

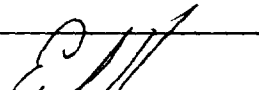
1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Confirmed with Steve Brodman that he will be present at Savannah Labs, on Jan. 25th and 26th with Menzie Cura when they sort their ecological samples.

INSPECTOR'S SIGNATURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-20-00		

July 20

99

Sediment Sampling in CS-E

Talked with Steve Brodman
he is prepared to go to Atlanta
to Savannah Labs

DAILY WORK LOG

DATE 20 JAN 00

PROJECT NAME Solutia - Sample Area PROJECT LOCATION CS-E

WEATHER clear PRECIPITATION none TEMPERATURE 20°F

NUMBER OF HOURS WORKED 42.5 NUMBER OF EMPLOYEES 5

- 1 ITEMS WORKED ON (ITEM NO. DESCRIPTION STA TO STA FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS

① Collected sed. samples and performed sed. depth measurements in CS-E at 53-57; collected field dup. at 56

② None

③ None

④ None

⑤ See visitor log

⑥ Support vehicles, H&S equip., sampling equip., monitoring equip.

⑦ None

⑧ None

⑨ None

CL: K. Perry
E. Kasper

20 JAN 00
@ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DeHarold / DeHarold 20 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Sediment Sampling)

DATE 20 JAN 00CONDUCTED BY COMPANY DE HavardinkPROJECT NAME Solutia - Saugee Area PROJECT LOCATION CO 15WEATHER Clear + Windy PRECIPITATION None TEMPERATURE 15°FNUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

① Sediment sampling + sed depth measuring② FSP # 5.20 HASP # 2.9③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects④ PPE is level D with rubber boots or waders (depending on creek conditions) + waders, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft deep; warning breakers as appropriate⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME	EMPLOYEE SIGNATURE	COMPANY
Garrett J. Long	<i>[Signature]</i>	Solutia
THOMAS R. BALDWIN	<i>[Signature]</i>	CAMEKIN P.D.
KEN LAFFERTY	<i>[Signature]</i>	MAIERICK
DAREN THOMPSON	<i>[Signature]</i>	CLARKSON
William E. Wright	<i>[Signature]</i>	ODG
COLIN WELCHERMAN	<i>[Signature]</i>	ODG

CC: K. Perry 20 JAN 00
E. Kasper C 1300

IF ADDITIONAL SPACE IS REQUIRED.
RECORD ON REVERSE SIDE

DE Havardink DE Havardink
PRINTED NAME / SIGNATURE OF PREPARER

20 JAN 00
DATE

WORK FORECAST

Work Forecast for the day week: January 21, 2000

to: 01-19-2000

Project Name: Sauget Area 1

Project Location: Sauget, IL

Company Name: O'Brien & Gere

1. List Work Items and Locations Scheduled for Next Day Week:

* Collect ~~the~~ Sediment Samples in 6 CSE, ~~stations 3~~
~~through 7~~

CC: K. Perry
E. Kemper

20 Jan 00
@ 1800

William F. Wright William F. Wright 20 Jan 00
IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE
Name: Signature Date of Preparer

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	092
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	021 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 35°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: all wells have been installed and developed but the Slug Tests have not been conducted for any location. 2) Sediment Sampling: Continue sampling Creek Segment E		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Ice, cold weather, and deep water are hindering sampling efforts.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests have been installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area. 3) Adequate information has not been submitted from Menzie Cura to address the usage of fresh water shrimp in the risk assesment.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice.		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Confirmed with Steve Brodman that he will be present at Savannah Labs, on Jan. 25th and 26th with Menzie Cura when they sort their ecological samples.

INSPECTORS'S SIGNITURE

DATE

SUPERVISOR'S
INITIALS

DATE

01-21-00

DAILY WORK LOG

DATE 21 JAN 00

PROJECT NAME Solutia - Sanger Area

PROJECT LOCATION CS-E; ST-L, ST-G

WEATHER clear - partly cloudy

PRECIPITATION none

TEMPERATURE ~35°F

NUMBER OF HOURS WORKED 45

NUMBER OF EMPLOYEES 5

1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA. FOREMAN)

2 INSTRUCTIONS RECEIVED FROM SOLUTIA

3 INSTRUCTIONS RECEIVED FROM USEPA

4 DEVIATIONS

5 VISITORS (NAMES & TITLES)

6 EQUIPMENT

7 LUNCH MEETING COMMENTS:

8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9 REMARKS:

- ① • Collected sed. samples from CS-E at 58-59; collected MS/MSD at 58
- Moved slug test drums from ST-L and ST-G to Judith Ln. waste staging area
- Prepared for upcoming activities

② None

③ None

④ None

⑤ See visitors log

⑥ Rental truck w/ lift gate; drum dolly; support vehicles; 1/2 S equip.; samp. equip.; monitoring equip.

⑦ None

⑧ None

⑨ None

CC: K. Perry 21 JAN 00
E. Kemper C 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversing / DE Haversing / 21 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(sediment sampling)
(+ potential drum movement)

DATE 21 JAN 00

CONDUCTED BY / COMPANY: DE Hamerdink / O'Brien + Gere

PROJECT NAME Solutia - Saugee Area PROJECT LOCATION CS-E; ST-L, ST-G

WEATHER Clear PRECIPITATION none TEMPERATURE 15°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS:

- ① Sediment sampling + sed depth meas.; potential drum movement - sly test drums
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects; pinched fingers / toes
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) + pants, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep; warming breaks as appropriate
- ⑤ Segregate waste, gross equip. decan before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
William E. Wright	<i>[Signature]</i>	OBC
Eric K...	<i>[Signature]</i>	REU
Carol WILLE NKAMP	<i>[Signature]</i>	OBC
JADEN STAMPSON	<i>[Signature]</i>	OBC
Tim Tedesco	<i>[Signature]</i>	OBC
Kimberly Perry	<i>[Signature]</i>	Solutia
Jimmy Jones	<i>[Signature]</i>	CAHOKIA P.D.
Ken CREAGAN	<i>[Signature]</i>	MAUERKE

CC: K. Perry 21 JAN 00
E. Kemper C 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Hamerdink / DE Hamerdink
PRINTED NAME / SIGNATURE OF PREPARER

21 JAN 00

DATE

WORK FORECAST

Work Forecast for the (day) week: 24 JAN00

Date: 21 JAN00

Project Name: Solutia-Sauget Area 1

Project Location: CSE ; upgrad. wells

Company Name: O.B.G.

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue performing sed. depth measurements and collecting sed. samples in CSE
- ~~Per~~ Perform prep. inspection mtg. for background soil sampling
- Begin background soil sampling and continue upgradient alluvial aquifer sampling

CC : K. Perry 21 JAN00
E. Kemper @ 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Howardink/DE Howardink/ 21 JAN00
Name/Signature/Date of Preparer

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	093
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	024 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 32°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: all wells have been installed and developed but the Slug Tests have not been conducted for any location. 2) Sediment Sampling: Continue sampling Creek Segment E 3) Background Sampling: Conduct Preparatory meeting for Background Sampling, one surface and one sub-surface sample will be collected from three areas. OBG will also continue the upgradient water sampling at this time. The locations are the same for the water and soil. OBG collected soil and water sample near EE-20		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Ice, cold weather, and deep water are hindering sampling efforts.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests have been installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger (USACE) and Michael McAteer (USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area. 3) Adequate information has not been submitted from Menzie Cura to address the usage of fresh water shrimp in the risk assesment.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice.		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE

DATE

SUPERVISOR'S
INITIALS

DATE

01-24-00

DAILY WORK LOG

DATE 24 JAN 00

PROJECT NAME Solutia - Sanget Area

PROJECT LOCATION CS-E, EE-20

WEATHER clear

PRECIPITATION none

TEMPERATURE ~32°

NUMBER OF HOURS WORKED 56

NUMBER OF EMPLOYEES 6

1 ITEMS WORKED ON (ITEM NO. DESCRIPTION STA TO STA FOREMAN)

2 INSTRUCTIONS RECEIVED FROM SOLUTIA

3 INSTRUCTIONS RECEIVED FROM USEPA

4 DEVIATIONS

5 VISITORS (NAMES & TITLES)

6 EQUIPMENT

7 LUNCH MEETING COMMENTS:

8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9 REMARKS:

- ① • Collected sed. samples in CS-E at 510-514
- Collected background soil samples ^{near} EE-20 - surface + subsurface
- Collected upgradient GW sample from ~~58-60~~ ^{near} EE-20

② None

③ None

④ None

⑤ See attached visitors log

⑥ Geoprobe rig, sampling equip., H+S equip., monitoring equip., support vehicle

⑦ None

⑧ None

⑨ None

CC: K. Perry
L. Kemper

24 JAN 00
@ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DeThuerdink / DE Thuerdink / 24 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

CLARIFICATION LOG

INDIVIDUAL REQUESTING CLARIFICATION / COMPANY: O'Brien & Gere

DATE 1/24/00

HEALTH & SAFETY APPROVAL REQUIRED: YES: _____ NO: X

PROJECT NAME Solutia Stryet Area 1 PROJECT LOCATION Stryet Area 1

WEATHER Cold & Clear PRECIPITATION None TEMPERATURE 15°F

NUMBER OF HOURS WORKED N/A NUMBER OF EMPLOYEES N/A

1. CONTRACT ITEM BEING WORKED ON: _____
2. ITEM BEING CLARIFIED (REF. APPROP. SEC. OF FSP/HASP): _____
3. REASON FOR CLARIFICATION: _____
4. CLARIFICATION TO BE IMPLEMENTED: _____
5. EQUIPMENT: _____
6. DEVELOPMENTS WHICH MIGHT LEAD TO ISSUANCES OF A CHANGE ORDER OR BE THE BASIS OF A CLAIM (EQUIPMENT TIME: MANPOWER ETC.): _____
7. REMARKS: _____

- ① Up gradient Ground Water Sampling
- ② Sect. 5.16 - Includes option in Sect 5.16.1 for obtaining ground water samples via "Geoprobe, Hydropunch, MicroWell, Waterloo Profiler, or equivalent sampling technology" in place of existing groundwater well. Item being clarified is that use of "high pressure hose adapter to the probe rod & release Nitrogen gas through the rods" in this procedure is used to open the mill slot pathways enabling groundwater to be withdrawn using a peristaltic pump.
- ③ Clarification is necessary to advise & inform Project Team of ground water sampling method. Clarification at section 5.16.1.
- ④ Use of Nitrogen gas to open mill slot pathways enabling ground water to be withdrawn using a peristaltic pump.
- ⑤ Nitrogen gas source & high pressure lines
- ⑥ Project Change Order # 5-Review submitted & approved
- ⑦ None

Submitted to Weston on 24 Jan 00 at OSC

Jim Tedesco / J.P.H.
PRINTED NAME / SIGNATURE OF PREPARER

24 Jan 00
DATE

PRINTED NAME / SIGNATURE OF SOLUTIA REP / DATE

PRINTED NAME / SIGNATURE OF USEPA REP / DATE

IF ADDITIONAL SPACE IS REQUIRED,

Proposed Water Sampling Methodology

Harriss Drilling Services, Inc., (HDSI) will utilize our Power Probe 9400 with GeoProbe equipment to acquire groundwater samples from 5 depth locations.

There are 3 - 100' and 2 - 60' locations remaining. We propose using a Geoprobe Mill Slot rod attached to our 1 1/4" diameter probe rods. Previous problems occurred relating to clays and silts blocking the cone tip opening and prohibiting water from entering the probe rods.

Our procedures are to drive the in-place sampler to 60' and 100', attach a high pressure hose adapter to the top probe rod and release nitrogen gas through the rods. This procedure should open the mill slot pathways enabling groundwater to be withdrawn using a peristaltic pump. During purging procedures, we could periodically use nitrogen gas should the screen opening become clogged.

SAFETY MEETING FORM
(Upgrad. GW samp. + backgr. soil samp.)

DATE 24 JAN00

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Saugat Area 1 PROJECT LOCATION background wells + soil sam.

WEATHER clear PRECIPITATION none TEMPERATURE 45°

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS:

- ① Upgradient GW samp. + background soil sampling
- ② FSP # 5.16, 5.19 ; HASP # 2.6, 2.8
- ③ Potential contact w/ impacted soil + water ; breathing of impacted vapors ; muscle strain ; slips/trips/falls ; electric shock ; noise ; cold weather effects ; pressure lines
- ④ PPE is modified level D w/ Tyvek or aprons + hearing protection ; air monitoring in the breathing zone w/ PID ; driller to inspect rig daily + repair as needed ; warming breaks as appropriate
- ⑤ Segregate wastes ; smoking in support vehicles only ; drive w/ caution since field office

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

<u>Kon Cafferty</u>	<u>[Signature]</u>	<u>HAVERDINK</u>
<u>Jim Harris</u>	<u>[Signature]</u>	<u>HARRIS Drilling</u>
<u>William E. Wright</u>	<u>[Signature]</u>	<u>OK</u>
<u>Erik Kemper</u>	<u>[Signature]</u>	<u>RFW</u>
<u>Kim Porty Perry</u>	<u>[Signature]</u>	<u>SO/12</u>

cc: K. Porty 24 JAN00
E. Kemper C 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

24 JAN00
DATE

SAFETY MEETING FORM (sediment sampling)

DATE 24 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sauget Area

PROJECT LOCATION CS-E

WEATHER Clear

PRECIPITATION None

TEMPERATURE 45

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

① Sediment sampling + sed. depth measurement

② FSP # 5.20 HASP # 2.9

③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects

④ PPE is level D with rubber boots or waders (depending on creek conditions) + trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep; warning breaks as appropriate

⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicle only.

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Erik Kemper
Colin WELLENKIMMO
Adam J. Kaiser
Dan LAFFERTY
Kumbar Tiffen
~~Tim Jenkins~~
Nick Jenkins

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
Nick Jenkins

RFW
O&G
O&G
MAURER
SD/VTA
~~HARRIS~~
O&G

cc: K. Perry 24 JAN 00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

24 JAN 00
DATE

WORK FORECAST

Work Forecast for the Day week: 25 JAN 00

Date: 24 JAN 00

Project Name: Solutia-Souget Area 1

Project Location: CS-E, background locati

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day Week:

- ~~Dump ~~slag~~ soil ~~drums~~~~ from drums into roll-off at Judith Ln. waste staging area
- Continue collecting sed. samples + performing sed. depth measurements in CS-E
- Continue collecting upgradient GW sample at EE-20
- Begin background soil sampling and upgrad. GW sampling at "substitute EE-04"

CC: K. Parry 24 JAN 00
E. Kemper C 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harwood / DE Harwood / 24 JAN 00
Name/Signature/Date of Preparer

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

Solutia Inc.
Sauget Area 1
(Please Print)

CS-E
Creek sed. samp.

[illegible]

PREPARATORY INSPECTION MEETING

Conducted by/Company: DE Harwood / O'Brien + Gore

Date: 24 JAN 00

Project Name: Solutia - Sugar Area 1

Task: Background & samples

1. Scheduled Work:
2. Equipment, Procedures, Personnel:
3. Ref. To App. Sec. of FSP/HASP:
4. Issues that could arise and how to resolve:
5. Solutia comments:
6. EPA comments:

- ① Collect 1 surface sample and 1 subsurface sample of soil at locations of background (upgradient) groundwater sampling; 6 total samples
- ② Surface samples collected from 0-0.5 ft w/ stainless steel bowls + spoons, possibly hand augers, by OBG personnel; EnCore® sample from in-place soil
• Subsurface samples collected from 3-6 ft w/ MacroCore® sampler and direct push technology by Harriss and OBG; sample composited w/ stainless steel bowls + spoons; EnCore® sample from top of sampler (3')
- ③ FSP # 5.19 ; HASP # 2.8
- ④ Incomplete recovery → step over to an adjacent location and collect again
- ⑤ Restore disturbed areas
- ⑥ Soil sampling will take place concurrently with upgrad. GL sampling

ATTENDANCE:

EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
K. Lafferty	[Signature]	MAVERICK
Jim Harriss	[Signature]	HARRISS DIRECT
William E. Wright	[Signature]	OBG
E. Harwood	[Signature]	RFLW
Kimberly Perry	[Signature]	Solutia

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

cc: K. Perry 24 JAN 00
E. Kemper @ 1800

DE Harwood / DE Harwood
PRINTED NAME/ SIGNATURE OF PREPARER

24 JAN 00

DATE

DAILY WORK LOG

DATE 25 JAN 00

PROJECT NAME Solutia - Sanget Area

PROJECT LOCATION CS-E, EE-20, Judith Ln.

WEATHER cloudy & windy

PRECIPITATION none

TEMPERATURE -25°F

NUMBER OF HOURS WORKED 55.5

NUMBER OF EMPLOYEES 6

1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA. FOREMAN)

2 INSTRUCTIONS RECEIVED FROM SOLUTIA

3 INSTRUCTIONS RECEIVED FROM USEPA

4 DEVIATIONS

5 VISITORS (NAMES & TITLES)

6 EQUIPMENT

7 LUNCH MEETING COMMENTS

8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)

9 REMARKS:

(1) • Collected sed. samples in CS-E at S15-S20 ; collected field dup. at S19 in CS-E

• Collected upgr. GW sample ~~near~~ EE-20 at 99-101 Fbg

• Attempted drum dumping of soil drums at Judith Ln (into roll-off box) dumped 1 drum - the remaining drums were frozen

(2) K. Perry approved location of EE-04 substitute GW sample + backgr. soil samp.

(3) None

(4) None

(5) See visitors log

(6) Geoprobe rig, drum dump equip., support vehicles, sampling equip., H&S equip., monitoring equip.

(7) None

(8) None

(9) None

CC: K. Perry 25 JAN 00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DeHavensdunk / DEHavensdunk 25 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Upgradient GW samp. & background soil samp.)
(+ soil drum dump)

DATE 25 JAN 00

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sargent Area

PROJECT LOCATION EE-20, EE-04 replacement, Judith Ln

WEATHER clear

PRECIPITATION NONE

TEMPERATURE ~26°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK:
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
- 5 COMMENTS:

① Upgradient GW samp & background soil samp ; soil drum dump

② FSP # 5.16, 5.19 ; HASP # 2.6, 2.8

③ Potential contact w/ impacted soil + water ; breathing of impacted vapors ; muscle strain ; slips/trips/falls ; electric shock ; noise ; pressurized lines ; overhead falling objects

④ PPE is modified level D w/ trunks or aprons & hearing protection ; air monitoring in the breathing zone w/ PID ; drill to inspect rig daily & repairs needed

⑤ Segregate wastes ; smoking in support vehicles only ; drive w/ caution around the area

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ken Lafferty
Quinton Yef
Jim Hareiss
William E. Wright
Nick Jenkins
Brent Kessinger

[Signatures]
William E. Wright
Brent Kessinger

MAVERICK
Solutia
HARRIS DRILLING
OBG
OBG
OBG
Heritage

cc : K. Perry 25 JAN 00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / O'Brien + Gere

PRINTED NAME / SIGNATURE OF PREPARER

25 JAN 00

DATE

SAFETY MEETING FORM
(sediment sampling)

DATE 25 JAN 00

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Saugee Areal

PROJECT LOCATION CS-E

WEATHER clear

PRECIPITATION none

TEMPERATURE -26°F

NUMBER OF HOURS WORKED

NUMBER OF EMPLOYEES

- 1 SCHEDULED WORK:
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
- 5 COMMENTS:

① Sediment sampling + sed. depth measurement

② FSP # 5.20 HASP # 2.9

③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects

④ PPE is level D with rubber boots or waders (depending on creek conditions) socks, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep; warming breaks as appropriate

⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Ken Lafferty
in 102510
Jim Wellenkamp
Nick Jenkins
Adam J. Kriss

[Signature]
[Signature]
[Signature]
[Signature]

Solutia
MAVERICK
OBG
OBG
OBG
OBG

cc: K. Perry
E. Kemper

25 JAN 00
@ 1800

IF ADDITIONAL SPACE IS REQUIRED.
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

25 JAN 00
DATE

WORK FORECAST

Work Forecast for the day week: 1/25/00

Date: 1/25/00

Project Name: Solutia - Sargent-Arenal Project Location: CS-E and D, EE-04 (Sub)

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day Week:

- Continue performing sediment / depth measurement
+ collecting sediment samples CS-E

- Possibly move to CS-D.

= Collect background soil samples and up gradient
water samples at EE-04 (Sub).

cc: K. Perry 25 JAN 00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Adrian J. Kish
Name/Signature/Date of Preparer

SITE VISITOR LOG

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	094
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	025 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 25°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: all wells have been installed and developed but the Slug Tests have not been conducted for any location. 2) Sediment Sampling: Continue sampling Creek Segment E 3) Background Sampling: OBG collected upgradient water sample near EE-20 at 100ft.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Ice, cold weather, and deep water are hindering sampling efforts.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests have been installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area. 3) Adequate information has not been submitted from Menzie Cura to address the usage of fresh water shrimp in the risk assessment.		

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice.

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Steve Brodman is at Savannah Labs sorting samples with Menzie Cura. Steve will provide a trip report after he returns which will be included in the QAR at that time.

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S
INITIALS

DATE

01-25-00

WESTON Oversight Summary

Ecological Sampling Solutia, Inc.

Sauget and Cahokia, Illinois

Weston performed oversight during the Ecological Sampling (Sample Processing) effort performed 24 January 2000 through 26 January 2000 by Menzie Cura. Steven Brodman was the Weston representative oversight personnel present at Savannah Labs located in Savannah, Georgia. The objective of Menzie Cura was to identify, group and process species collected during the October and November collection activities. Westons objective was to observe sample processing procedures collect documentation and split approximately 10% of the samples submitted by Menzie Cura and have them analyzed by an independent laboratory.

The chemical data for the biota sampling is to be used in the Ecological Risk Assessment and the fish fillet data are to be used in the Human Health Risk Assessment.

The following is a summary of the sample processing performed by Menzie-Cura at Savannah Labs.

1. Vegetation samples were left frozen in the original containers they were collected in. Weston collected two split samples from the vegetation samples submitted. One split was collected from location CS-B and one split was collected from location CS-E. The following are the ID's used:

PTISS-B-3

PTISS-E-1

2. Freshwater snails were submitted as Macroinvertebrates for the following locations:

CS-B

CS-C

CS-D

REF-1

Ref2-1

Weston collected one split from location CS-D (Sample ID SNCS-D). Freshwater Clams were submitted from the Borrow Pit and Reference areas 1 and 2-2. Weston also collected one split sample from the Borrow Pit (Sample ID CLAMPB-3 COMP-01). Both sets of samples (snails and clams) were composites of multiple individuals, see attached spreadsheet.

3. Freshwater Shrimp were submitted as samples instead of Crayfish . Three composite samples were submitted. One from the Borrow Pit, one from Reference area 1 and one from Reference area 2. Sample weights on these composites were minimal at best therefore Weston was unable to collect a split sample for the Shrimp.

4. Forage fish composite samples were submitted for the Following areas:

CS-B 1 composite

CS-D 1 composite

Borrow Pit Lake 3 composites

Reference Area 1 2 composites

Reference Area 2 2 composites

Weston collected a split at location CS-D (Sample ID FFCS-D COMP-01)

Forage fish were opened from the original sample bags, defrosted, enumerated, sorted and grouped into composite samples. Green sunfish were used as the forage fish species.

5. Bullhead Catfish were submitted as samples for a medium bottom feeder fish. Samples were collected in all areas identified except for Reference area 2 where only one bullhead was caught. It was submitted as an individual. Weston collected a split sample of the catfish at the Borrow Pit Location (Sample ID BBBP COMP-01). These fish were submitted as whole body's. They were removed from the freezer, thawed, enumerated and metrics were taken (see spreadsheet).
6. Large Mouth Bass were submitted as samples for the sample type (Large Predator Fish). Three composites were submitted from the Borrow Pit, two from Reference Area 2, and Two from reference area 1. Weston collected a split sample from the Borrow Pit Lake Location (Sample ID LMBBP COMP-03). These samples were submitted as whole body's. They were removed from the freezer, thawed, enumerated and metrics were taken (see spreadsheet).
7. White Crappie were submitted as samples for the sample type (Game Fish). Three composites were collected from the Borrow Pit location, one composite from Reference Area 1, and 3 composites from Reference Area 2. These samples were submitted as fillets instead of whole body samples. Weston collected 1 split sample at the reference 2 Location (Sample ID WCREF2 COMP-02). A split was collected here rather than a site specific location because there was not enough sample mass in any of the other composites.

Weston proposes to use Pacific Analytical to analyze the splits, for all of the same parameters as Menzie Cura.

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	095
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	026 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 22°F
CQC Inspection phases attended and instruction given:		
1) Slug Testing: all wells have been installed and developed but the Slug Tests have not been conducted for any location. 2) Sediment Sampling: Continue sampling Creek Segment E 3) Background Sampling: OBG collected soil sample for the EE-04 substitute at the ball field. (<i>instead of Rogers Cartage</i>)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.		
1) Ice, cold weather, and deep water are hindering sampling efforts.		
Verbal instruction given to contractor: (Include names, reactions and remarks)		
1) None		
Has anything developed on the work, which might lead to a change order or finding of fact?		
<div style="text-align: right;"> NO <u>YES</u> </div> 1) Piezometers for the Slug Tests have been installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger (USACE) and Michael McAteer (USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area. 3) Adequate information has not been submitted from Menzie Cura to address the usage of fresh water shrimp in the risk assessment.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.		
1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice.		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

A meeting with Mike McAteer, Candy Morin, Mike Light and Bruce Yare today. Discussions were mostly about Sauget Area 2 and Solutia's involvement in Site Q. Solutia did ask for the EPA's help with access issues on the Wiese property and Mike Said he would do what he could to help.

INSPECTORS'S SIGNITURE

DATE

SUPERVISOR'S
INITIALS

DATE

01-26-00

DAILY WORK LOG

DATE 26 JAN 00

PROJECT NAME Solutia - Sargent Area 1 PROJECT LOCATION EE-04 sub. + CS-E
 WEATHER clear PRECIPITATION none TEMPERATURE -25°F
 NUMBER OF HOURS WORKED 55.5 NUMBER OF EMPLOYEES 6

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA. FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS:
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS:

① - Collected sed. samples in CS-E at 521-525 ; collected MS/MSD at 524 in CS-E

Collected surface + subsurface soil samples at EE-04 sub. ; collected field dup. for surface sample

② None
 ③ None
 ④ None

⑤ See visitors log

⑥ Geoprobe rig, support vehicles, monitoring equip., samp. equip., H&S equip

⑦ None
 ⑧ None
 ⑨ None

CC: K. Perry 26 JAN 00
 E. Kemper 01830

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DEHansink / DEHansink / 26 JAN 00
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

(Please Print)

[illegible]

SAFETY MEETING FORM

(Upgradient GW samp. + background soil samp.)

DATE 26 JAN 00

CONDUCTED BY / COMPANY: DE Hamerink / D'Brien + Gere

PROJECT NAME Solutia - Sanget Area

PROJECT LOCATION EE-04 substitute

WEATHER Clear

PRECIPITATION None

TEMPERATURE ~15°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION

5. COMMENTS:

① Upgradient GW samp. + background soil samp

② FSP # 5.16, 5.19 ; HASP # 2.6, 2.8

③ Potential contact w/ impacted soil + water ; breathing of impacted vapors ; muscle strain ; slips/trips/falls ; electric shock ; noise ; pressurized lines ; cold weather effects

④ PPE is modified level D w/ tyvek or aprons + hearing protection ; air monitoring in the breathing zone w/ PID ; driller to inspect rig daily + repairs needed ; warming breaks as appropriate

⑤ Segregate wastes ; smoking in support vehicles only ; drive w/ caution around the area

ATTENDANCE

EMPLOYEE NAME (print)

William E. Wright
Tim HARRISS
Robert Perry
Ken Hemper

EMPLOYEE SIGNATURE

William E. Wright
Tim HARRISS
Robert Perry
Ken Hemper

COMPANY

D&G
HARRISS DRILLING
Solutia
MAVERICK

cc: K. Perry 26 JAN 00
E. Hemper 0 1830

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Hamerink / DE Hamerink
PRINTED NAME / SIGNATURE OF PREPARER

26 JAN 00
DATE

SAFETY MEETING FORM
(sediment sampling)

DATE 26 JAN 00

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien + Gere

PROJECT NAME Solutia - Sauget Area

PROJECT LOCATION

CS-E

WEATHER clear

PRECIPITATION

none

TEMPERATURE

-15°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

① Sediment sampling + sed. depth measurement

② FSP # 5.20 HASP # 2.9

③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects

④ PPE is level D with rubber boots or waders (depending on creek conditions) pants, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep; warming breaks as appropriate

⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Dick Jenkins

Dick Jenkins

OBG

Ken L. Perry

Ken L. Perry

OBG

Ken L. Perry

Ken L. Perry

OBG

Adam S. Kaiser

Adam S. Kaiser

WILVERICK

OBG

cc: K. Perry
E. Kemper

26 JAN 00
@ 1830

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

26 JAN 00

DATE

WORK FORECAST

Work Forecast for the day week: 1/27/00

Date: 1/26/00

Project Name: Solo 14 - Sarge + Final Project Location: EE-04 (S-2) / CS-E+D
EEB-109

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day Week:

Continue sediment depth measurement + sampling
@ CS - E+D

Ground water sampling @ EE-04 - completing?
Possibly starting EEB-109

CC: K. Perry 26 Jan 00

E. Keiper @ 14:30

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

Adam J. Kniser / A.J. Kniser / 1/26/00
Name/Signature/Date of Preparer

Sauget Site Investigation Waste Tracking Log

Date: 26 JAN 00

[illegible]

Notes:

Storage Tank Capacity: 4,000 Gallons

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	096
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	027 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 28°F
<p>CQC Inspection phases attended and instruction given:</p> <ol style="list-style-type: none"> 1) Slug Testing: all wells have been installed and developed but the Slug Tests have not been conducted for any location. 2) Sediment Sampling: Begin sampling Creek Segment D (Weston Split CSD-S2) 3) Background Sampling: OBG finished soil and water sampling for the EE-04 substitute at the ball field. (<i>instead of Rogers Cartage</i>) and moved to the EEG-108 location (Weston split soil sample EEG-108 sub surface) 		
<p>Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.</p> <ol style="list-style-type: none"> 1) Ice, cold weather, and deep water are hindering sampling efforts. 		
<p>Verbal instruction given to contractor: (Include names, reactions and remarks)</p> <ol style="list-style-type: none"> 1) None 		
<p>Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u></p> <ol style="list-style-type: none"> 1) Piezometers for the Slug Tests have been installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger (USACE) and Michael McAteer (USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area. 3) Adequate information has not been submitted from Menzie Cura to address the usage of fresh water shrimp in the risk assesment. 		
<p>Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.</p> <ol style="list-style-type: none"> 1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice. 		

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Mike McAteer visited a sediment sampling routine at Creek Segment D. He witnessed OBG's procedures and had no questions at that time.

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S
INITIALS

DATE

01-27-00

DAILY WORK LOG

DATE 27 JAN 00

PROJECT NAME Solutia - Sargent Area 1

PROJECT LOCATION CS-E+D, EE-04 sub, EEG-108

WEATHER clear

PRECIPITATION none

TEMPERATURE ~28°F

NUMBER OF HOURS WORKED 6.2

NUMBER OF EMPLOYEES 6

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS:
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS:

- ① • Collected sed. samples at S26 in CS-E and at S2-S4 in CS-D
 • Collected GW sample at EE-04 sub. from 79-101 Fbg and a field dup. at same location
 • Collected ~~sed~~ surface sample and equip. blank at EEG-108 - soil
 • Collected subsurface soil sample, MS/MSD, and split with F. Kemper at EEG-108
- ② Re-attempt to collect sed. depth measurements and sed. samples at S1 in CS-D when the weather is warmer, using hand auger as needed to loosen compacted sediments at the surface
- ③ None
- ④ None
- ⑤ See visitors log
- ⑥ Geoprobe rig, support vehicle, samp. equip., H+S equip., monitoring equip.
- ⑦ None
- ⑧ None
- ⑨ None

CC: K. Perry 27 JAN 00
 E. Kemper @ 1845

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM

(Upgradient GW samp. + background soil samp.)

DATE 27 JAN 00

CONDUCTED BY / COMPANY: DE Harvardink / O'Brien + Gere

PROJECT NAME Solutia - Sauge Area

PROJECT LOCATION EE-04 sub, EEG108

WEATHER Clear

PRECIPITATION none

TEMPERATURE -25°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Upgradient GW samp. + background soil samp.
- ② FSP # 5.16, 5.19 ; HASP # 2.6, 2.8
- ③ Potential contact w/ impacted soil + water ; breathing of impacted vapors ; muscle strain ; slips/trips/falls ; electric shock ; noise ; pressurized lines ; cold weather effects
- ④ PPE is modified level D w/ tyvek or aprons + hearing protection ; air monitoring in the breathing zone w/ PID ; driller to inspect rig daily + repairs needed ; warming breaks as appropriate
- ⑤ Segregate wastes ; smoking in support vehicles only ; drive w/ caution around the area

ATTENDANCE:

EMPLOYEE NAME (print)

William E. Wright
Jim Harris
Kevin R. Perry

EMPLOYEE SIGNATURE

William E. Wright
Jim Harris
Kevin R. Perry

COMPANY

O'Brien + Gere
HARRIS DRILLING
Solutia

CC: K. Perry 27 JAN 00
E. Kemper 1845

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvardink / DE Harvardink

PRINTED NAME / SIGNATURE OF PREPARER

27 JAN 00

DATE

(sediment sampling)

DATE 27 JAN 00

CONDUCTED BY / COMPANY: De Havardink / O'Brien & Gere

PROJECT NAME Solutia - Saugeat Area PROJECT LOCATION CS-E-4D

WEATHER clear PRECIPITATION none TEMPERATURE ~23°F

NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____

- | | |
|----|--------------------------------------------------------|
| 1. | SCHEDULED WORK: |
| 2. | REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: |
| 3. | HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: |
| 4. | SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: |
| 5. | COMMENTS: |

- ① Sediment sampling + sed. depth measurements
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) ~~and~~, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep, warming breaks as appropriate
- ⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Adm J. Kaiser	Adm J. Kaiser	036
DAIRY Thompson	DAIRY Thompson	036
Adm J. Kaiser	Adm J. Kaiser	CPD
Adm J. Kaiser	Adm J. Kaiser	501. tra
Adm J. Kaiser	Adm J. Kaiser	036

CC : Kateray 27 JAN 00
E. Kateray @ 1845

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

27 JAN 00
DATE

DATE _____

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

CS-D
seed-samp.

sect. sump.

[illegible]

WORK FORECAST

Work Forecast for the day week: 28 JAN 00

Date: 27 JAN 00

Project Name: Salitra - Sanget Area 1

Project Location: CS-D, EEG-108

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day Week:

· Continue sed. depth measurements and sed. sampling in
CS-D

· Collect G/L sample (s) at EEG-108

cc: K. Perry 27 JAN 00
E. Kemper @ 1845

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DeHavensink DEHavensink 27 JAN 00
Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day/week: 31 JAN 00

Date: 27 JAN 00

Project Name: Solutra - Sauget Area 1

Project Location: Sauget / Cohasset

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue sed. depth measurements and sed. sampling in Dead Creek
- Potentially continue collecting GW sample(s) at EEG-108
- Potentially lay out trench locations at Site N and ~~the~~ interior trench locations
- Potentially ship samples to Thompson
- Potentially check shallow slug test piezometers for water depth

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Hawsdink / DE Rhoen / 27 JAN 00
Name/Signature/Date of Preparer

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	097
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	028 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 27°F
CQC Inspection phases attended and instruction given: 1) Slug Testing: all wells have been installed and developed but the Slug Tests have not been conducted for any location. 2) Sediment Sampling: Continue sampling Creek Segment D 3) Background Sampling: EEG-108 location (Weston split water sample EEG-108)		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) Ice, cold weather, and deep water are hindering sampling efforts.		
Verbal instruction given to contractor: (Include names, reactions and remarks) 1) None		
Has anything developed on the work, which might lead to a change order or finding of fact? NO <u>YES</u> 1) Piezometers for the Slug Tests have been installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger (USACE) and Michael McAteer (USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area. 3) Adequate information has not been submitted from Menzie Cura to address the usage of fresh water shrimp in the risk assessment.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc. 1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice.		

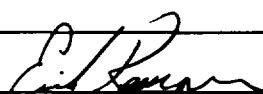
Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-28-00		

DAILY WORK LOG

DATE 28 JAN 00

PROJECT NAME Solutia - Sauget Area 1

PROJECT LOCATION CS-D, EEG-108

WEATHER cloudy

PRECIPITATION none

TEMPERATURE -27°F

NUMBER OF HOURS WORKED 40.5

NUMBER OF EMPLOYEES 6

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS:
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS:

- ① • Collected sed. sample from S6 in CS-D ; stated remaining locations for sed. depth measurements in CS-C + B
- Collected GW sample from 59-61 ftg at EEG-108 ; also collected MS & MSN + equip. blank for TMS location
- Prepared creek sed. supplies for future sampling

- ② Verbal approval received to use pre-cleaned pick or other similar tool to break up frozen sediment prior to sampling - Bruce York

③ None

④ None

⑤ See VISITORS log

⑥ Geoprobe rig, samp. equip., H&S equip., monitoring equip., support vehicles

⑦ None

⑧ None

⑨ None

cc: K. Perry 28 JAN 00
E. Kemper C 17:30

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harwoodink / DE Harwoodink / 28 JAN 00
PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM (sediment sampling)

DATE 28 JAN 00

CONDUCTED BY / COMPANY: DE Harvardink / O'Brien + Gere

PROJECT NAME Solutio - Sauget Area

PROJECT LOCATION CS-D

WEATHER cloudy

PRECIPITATION none

TEMPERATURE -20°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:

2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:

3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:

4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:

5. COMMENTS:

① Sediment sampling + sed. depth measurement

② FSP # 5.20 HASP # 2.9

③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects

④ PPE is level D with rubber boots or waders (depending on creek conditions) waders, trucks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep, warning breaks as appropriate

⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only

ATTENDANCE

EMPLOYEE NAME (print):

EMPLOYEE SIGNATURE

COMPANY

Adam J. Kaiser

Adam J. Kaiser

OBC

Darren Thompson

Darren Thompson

OBC

Ron Labbe Jr

Ron Labbe Jr

CH. Pol.

Tim Tedesco

Tim Tedesco

OBC

Colin WELLENKAMP

Colin WELLENKAMP

OBC

Mark Jenkins

Mark Jenkins

OBC

CC: K. Perry 28 JAN 00
E. Kempf @ 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Harvardink / DE Harvardink

PRINTED NAME / SIGNATURE OF PREPARER

28 JAN 00

DATE

SAFETY MEETING FORM

(Upgradient GW samp. & background soil samp.)

DATE 28 JAN00

CONDUCTED BY / COMPANY: DE Haverdink / O'Brien & Gere

PROJECT NAME Solutia - Sargent Area

PROJECT LOCATION EEG-108

WEATHER cloudy

PRECIPITATION none

TEMPERATURE ~20°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION:
5. COMMENTS:

- ① Upgradient GW samp. & background soil samp
- ② FSP # 5.16, 5.19 ; HASP # 2.6, 2.8
- ③ Potential contact w/ impacted soil & water ; breathing of impacted vapors ; muscle strain ; slips/trips/falls ; electric shock ; noise ; pressurized lines ; cold weather effects
- ④ PPE is modified level D w/ tyveks or aprons & hearing protection ; air monitoring in the breathing zone w/ PID ; driller to inspect rig daily & repairs needed ; warming breaks as appropriate
- ⑤ Segregate wastes ; smoking in support vehicles only ; drive w/ caution around the area

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

Jim Iodisco
Jim HARRIS
William E. Wright

Jim Iodisco
Jim HARRIS
William E. Wright

OBG
HARRIS DRILLING
OBG

cc: K. Perry 28 JAN00
E. Kemper @ 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink

PRINTED NAME / SIGNATURE OF PREPARER

28 JAN00

DATE

Solutia Inc.
Sauget Area 1
(Please Print)

[illegible]

WORK FORECAST

Work Forecast for the day week: 31 JAN 00

Date: 28 JAN 00

Project Name: Solutia - Sanger Area 1

Project Location: EEG-108, CS-D

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day Week:

- Collect GL sample from ~100 fbg at EEG-108
- Continue creek sed. depth measurements and sed. sampling

cc: K. Perry 28 JAN 00
E. Kasper C 1730

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversink / DE Haversink / 28 JAN 00
Name/Signature/Date of Preparer

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.	
	REPORT NO.	098
PROJECT Solutia Sauget Area 1 Sauget, IL	DATE	031 January, 00
	CONTRACT NO.	
CONTRACTOR O'Brien Gere	WEATHER	Cloudy, Temp. 35°F
CQC Inspection phases attended and instruction given:		
1) Slug Testing: all wells have been installed and developed but the Slug Tests have not been conducted for any location. 2) Sediment Sampling: Finished sampling Creek Segment D and begin CS-C 3) Background Sampling: EEG-108 location at 100ft.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.		
1) Ice, cold weather, and deep water are hindering sampling efforts.		
Verbal instruction given to contractor: (Include names, reactions and remarks)		
1) None		
Has anything developed on the work, which might lead to a change order or finding of fact?		
NO <u>YES</u>		
1) Piezometers for the Slug Tests have been installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. 2) As a result of the meeting on Jan. 7, 2000 Solutia agreed to use two wells previously installed, one on Site G and the other on Site I, for Slug Tests in the fill area. 3) Adequate information has not been submitted from Menzie Cura to address the usage of fresh water shrimp in the risk assessment.		
Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.		
1) Sample location 35 in CS-F was not taken due to no sediment recovery. This station will be skipped until further notice.		

Information, instructions or actions taken not covered on QCR report or disagreement:


1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Conference call with Steve Brodman, Sharon Nordstrom, Tim Gouger, and Erik Kemper:
Discussed Steve's trip to Savannah Labs also the lab arrangements Weston has made for QA of the tissue samples Steve will submit a Trip Report, and Tim would like to see Quotes for the QA labs.

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	01-31-00		

DAILY WORK LOG

DATE 31 JAN00

PROJECT NAME Solutia - Saugeat Area 1 PROJECT LOCATION EEG-108, CS-D+C
 WEATHER partly cloudy PRECIPITATION none TEMPERATURE 37°F
 NUMBER OF HOURS WORKED 7.3 NUMBER OF EMPLOYEES 8

- 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN)
- 2 INSTRUCTIONS RECEIVED FROM SOLUTIA
- 3 INSTRUCTIONS RECEIVED FROM USEPA
- 4 DEVIATIONS
- 5 VISITORS (NAMES & TITLES)
- 6 EQUIPMENT
- 7 LUNCH MEETING COMMENTS:
- 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.)
- 9 REMARKS:

- ① Collected Gld sample from 99-101 Fbg at EEG-108
 Collected sed. samples at S5, S7-S9 in CS-D; also collected samples at S1-S7 in CS-C; collected field dup- at S2 in CS-C and MS/MSD at S5 in CS-C
- ② None
- ③ None
- ④ None
- ⑤ See visitors log
- ⑥ Geoprobe rig; samp. drs. + monitoring equip; support vehicles
- ⑦ None
- ⑧ None
- ⑨ Used pick ax to break up frozen surface sediment prior to sampling.

CC: K. Perry 31 JAN00
 E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
 RECORD ON REVERSE SIDE

DE Haverdink DE Haverdink / 31 JAN00
 PRINTED NAME / SIGNATURE OF PREPARER / DATE

SAFETY MEETING FORM (sediment sampling)

DATE 31 JAN 00

CONDUCTED BY / COMPANY DE Haverdink / O'Brien + Gere


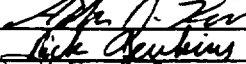
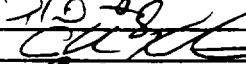
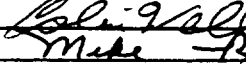
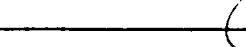

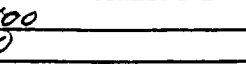
PROJECT NAME Solutia - Sauget Area PROJECT LOCATION CS-D+E

WEATHER cloudy PRECIPITATION snow on ground TEMPERATURE -18°F

NUMBER OF HOURS WORKED — NUMBER OF EMPLOYEES —

1. SCHEDULED WORK:
2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP
3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK
4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
5. COMMENTS

- ① Sediment sampling + sed. depth measurements
- ② FSP # 5.20 HASP # 2.9
- ③ Potential contact with impacted sediment + water; breathing of impacted vapors; slips / trips / falls into water or down the bank; muscle strain; cold weather effects
- ④ PPE is level D with rubber boots or waders (depending on creek conditions) ~~and~~, flyveks or aprons during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID, life vests in water over 2 ft. deep ~~water~~; warming breaks as appropriate.
- ⑤ Segregate wastes, gross equip. decon before leaving creek, drive with caution in the area, smoking in support vehicles only.

ATTENDANCE:		
EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
Tim Tedesco		OBG
Adam S. Kaiser		OBG
Nick Jenkins		OBG
Phil Mylor		OBG
CHAD KRIEGER		OBG
COLIN WILLENICKAMP		OBG
Mike Reece		OBG

cc: K. Perry 31 Jan 00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haverdink / DE Haverdink
PRINTED NAME / SIGNATURE OF PREPARER

31 JAN 00
DATE

SAFETY MEETING FORM

(Upgradient GW samp. & background soil samp.)

CONDUCTED BY / COMPANY: DE Havardink / O'Brien + Gere

DATE 31 JAN 00

PROJECT NAME Solutia - Sauge Area

PROJECT LOCATION ~~EE-DEF~~ EEG-108

WEATHER cloudy

PRECIPITATION SNOW on ground

TEMPERATURE -18°F

NUMBER OF HOURS WORKED —

NUMBER OF EMPLOYEES —

- 1 SCHEDULED WORK:
- 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP:
- 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK:
- 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION
- 5 COMMENTS:

- ① Upgradient GW samp. & background soil samp.
- ② FSP # 5.16, 5.19; HASP # 2.6, 2.8
- ③ Potential contact w/ impacted soil & water; breathing of impacted vapors; muscle strain; slips/trips/falls; electric shock; noise; pressurized lines; cold weather effects
- ④ PPE is modified level D w/ gloves or aprons & hearing protection; air monitoring in the breathing zone w/ PID; drillers to inspect rig daily & repairs needed; warming breaks as appropriate
- ⑤ Segregate wastes; smoking in support vehicles only; drive w/ caution around the area

ATTENDANCE:

EMPLOYEE NAME (print)

EMPLOYEE SIGNATURE

COMPANY

William E. Wright
Jim Leese
Jim Harris

William E. Wright
Jim Leese
Jim Harris

O'Brien
O'Brien
HARRIS Brothers

cc: R. Perry 31 JAN 00
E. Kemper @ 1800

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Havardink / O'Brien

PRINTED NAME / SIGNATURE OF PREPARER

31 JAN 00

DATE

SITE VISITOR LOG

**Solutia Inc.
Sauget Area 1
(Please Print)**

[illegible]

$C5-C \neq D$

Sed. sample.

[illegible]

WORK FORECAST

Work Forecast for the day/week: 01 FEB 00

Date: 31 JAN 00

Project Name: Solutia - Saugee Area 1

Project Location: CS-C, B

Company Name: O'Brien + Gere

1. List Work Items and Locations Scheduled for Next Day/Week:

- Continue sed. depth measurements and sed. sampling in CS-C and CS-B

CC: K. Perry 31 JAN 00
E. Kemper 01 FEB 00

IF ADDITIONAL SPACE IS REQUIRED,
RECORD ON REVERSE SIDE

DE Haversdink / DE Haversdink / 31 JAN 00
Name/Signature/Date of Preparer